ENVIROMED SERVICES, INC.

PCB Abatement Work Plan
for
John Wallace Middle School
71 Halleran Drive
Newington, Connecticut

700 Wing

Prepared
for
Newington Public Schools
131 Cedar Street
Newington, CT 06111

April 17, 2015

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I. PROJECT NARRATIVE

Introduction

Wing 7 at the John Wallace School, 71 Halleran Drive, Newington, Connecticut is being renovated during 2015 in support of a new technology education program. PCB contamination was found on painted masonry walls and concrete floors in Wing 7 during the investigatory phase of the renovation design. The walls in Wing 7 are being demolished and the floors are being bead blasted ahead of the renovations in order to remediate the PCB contamination. The PCB sampling steps taken during design and construction are spelled out below. The methods being used for PCB remediation are outlined below.

PCB Sampling Chronology

An initial PCB screening was conducted in Wing 7 in April 2013 in preparation for renovations to the wing. The sampling results are attached in Appendix C. The red concrete floor paint in Wing 7 was found to contain <50 ppm PCB. The yellow masonry block wall paint in Wing 7 was found to contain <50 ppm PCB. The gray masonry wall base paint in Wing 7 was found to contain >50 ppm PCB.

Follow-up PCB testing was conducted in Wing 7 in June 2013. The sampling was taken to ascertain depth and extent of PCB contamination on walls and floors in Wing 7. The sampling results are attached in Appendix D. The PCB contamination in the base of the walls in Wing 7 was found to extend at least to a depth of ½" into the walls, making surficial removal of the PCB contamination not possible without compromising the wall structure. PCB contamination on the floors was found to be highest at the edge of the floors adjacent to the walls and lower away from the walls.

Follow-up PCB testing was conducted in Wing 7 in August 2014. The sampling was taken to ascertain extent of PCB contamination at the edge of floors in Wing 7. The sampling results are attached in Appendix E. The >50 ppm PCB contamination at the edge of the floors was found to be <50 ppm at a distance of 6" in from the base of the walls. The PCB contamination at the edge of the floors was found to be higher at the base of exterior walls than at the base of interior partition walls.

PCB TCLP testing was conducted in Wing 7 in March 2015. The sampling was conducted to ascertain the suitability of the walls for PCB bulk product waste disposal (ie, PCB TCLP readings <10 micrograms per liter). Sampling was done at 2 locations with composite samples taken at 2 locations at a height of 0'-2'. The sample results are attached in Appendix F. PCB TCLP sample results registered >10 micrograms per liter in both samples, indicating that the walls in Wing 7, when demolished and disposed together, are unsuitable for PCB bulk product waste disposal.

Follow-up PCB TCLP testing was conducted in Wing 7 in April 2015. The sampling was conducted to ascertain whether dividing the portions of the walls into various waste streams would qualify portions of the wall as PCB bulk product waste. The sample results are attached in Appendix G. PCB TCLP sample results on the upper portion of the exterior block walls (2'-9') registered <10 micrograms per liter, indicating that the upper walls in Wing 7 are suitable for PCB bulk product waste disposal. PCB TCLP sample results on the lower portion of the exterior block walls (0'-2') registered close to 10 micrograms per liter, indicating that, combining this result with the initial PCB TCLP results, that the exterior lower block walls in Wing 7 are unsuitable for PCB bulk product waste disposal. PCB TCLP sample results on exterior doors, windows, and associated glass registered <10 micrograms per liter, indicating that the exterior doors, windows, and glass in Wing 7 are suitable for PCB bulk product waste disposal. PCB TCLP sample results on the interior block partition walls in Wing 7 registered <10 micrograms per liter, indicating that the interior block partition walls in Wing 7 are suitable for PCB bulk product waste disposal.

Remediation Methods

The original PCB abatement plans for Wing 7 are attached in Appendix A. The original PCB abatement specs for Wing 7 are attached in Appendix B. A narrative of the specific remediation methods being utilized for Wing 7, reflecting modifications to the original abatement plans, are as follows:

All concrete floors within Wing 7 are being bead blasted under a negative pressure containment to remove <50 ppm PCB concrete sealer and paint from the floors. The bead blaster is physically unable to get closer than 6" away from the base of the walls in Wing 7. The collected dust and grit from the bead blasting is being disposed of as >50 ppm PCB hazardous waste with an assumed PCB TCLP reading >10 micrograms per liter. The concrete floors are being tested in a 10' grid pattern following abatement to verify that the remaining concrete contains <1ppm PCB.

Concrete floors within Wing 7 are being cut 6" in from the base of each wall with a concrete cutter under a negative pressure containment. The collected dust and grit from the concrete cutting is being disposed of as >50 ppm PCB hazardous waste with an assumed PCB TCLP reading >10 micrograms per liter.

Interior masonry block partition walls within Wing 7 are being Bobcat demolished under a negative pressure containment. The partition walls are being disposed of as >50 ppm PCB bulk product waste with a PCB TCLP reading <10 micrograms per liter.

Exterior bare brick on Wing 7 is being hand demolished and recycled. Any brick within 2.5′ of a window, door, or vertical expansion joint is being left in-place until exterior wall demolition. Each dumpster of brick being recycled is being tested to verify PCB content <1 ppm prior to leaving site.

Following brick removal, exterior walls on Wing 7 are being machine demolished from the 9′ level up to the bottom flange of the structural carrying beam. This section of unpainted block wall is being disposed of as solid waste. Each dumpster of unpainted wall block being disposed of is being tested to verify PCB content <1 ppm prior to leaving site.

Exterior walls on Wing 7 from the 2′ level to the 9′ level are being machine demolished. This block is painted with <50 ppm PCB paint. This block is being disposed of as <50 ppm PCB bulk product waste with a PCB TCLP reading <10 micrograms per liter.

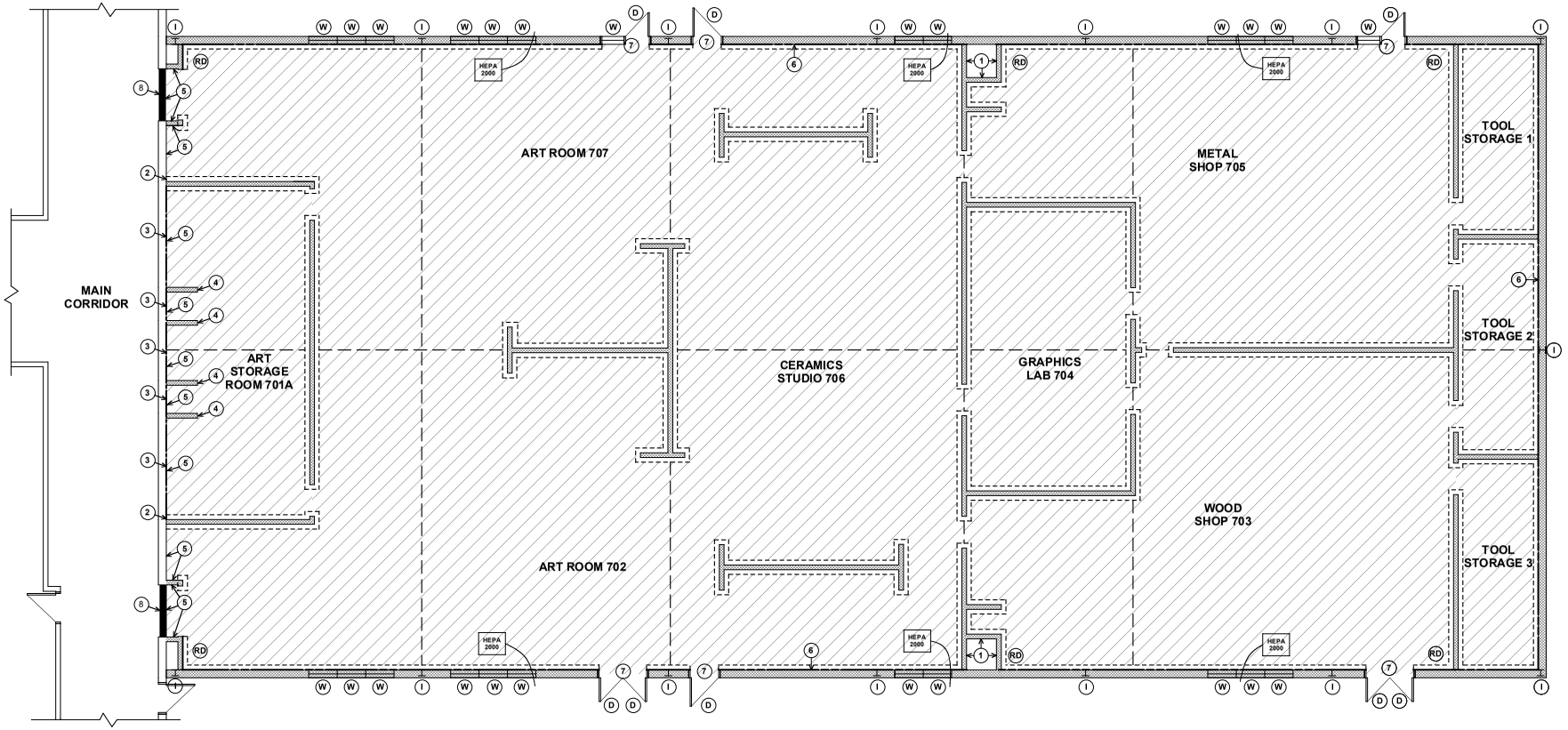
Exterior windows and doors are being removed from Wing 7 during machine wall demolition. The windows and doors are being disposed of as <50 ppm PCB bulk product waste with a PCB TCLP reading <10 micrograms per liter. Exterior brick within 2.5′ of the windows and doors is being disposed of as <50 ppm PCB bulk product waste with a PCB TCLP reading <10 micrograms per liter.

Exterior walls on Wing 7 from the 0′ level to the 2′ level are being machine demolished. The bottom 6″ of this block is painted with >50 ppm PCB paint. This block is being disposed of as >50 ppm PCB hazardous waste with a PCB TCLP reading >10 micrograms per liter.

Concrete floors within 6″ of walls on Wing 7 are being machine demolished. The edge of the floors is contaminated by >50 ppm PCB paint from the base of the adjacent walls. This concrete slab is being disposed of as >50 ppm PCB hazardous waste with a PCB TCLP reading >10 micrograms per liter.

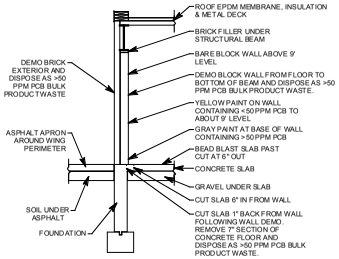
II. APPENDIX A

PCB ABATEMENT DRAWINGS



Demo PCB Abatement Plan - Wing 7

Scale 3/16" = 1'-0"



Exterior Wall Section - Wing 7

Scale 3/16" = 1'-0"

SYMBOL KEY

- (W) = REMOVE WINDOW SYSTEM DURING WALL DEMOLITION AND DISPOSE OF WINDOW SYSTEM AS PCB BULK PRODUCT WASTE (>50 PPM).
- (D) = REMOVE METAL DOOR PRIOR TO WALL DEMOLITION AND DISPOSE OF DOOR AS PCB (<50 PPM) WASTE. REMOVE DOOR FRAME SYSTEM DURING WALL DEMOLITION AND DISPOSE OF DOOR FRAME SYSTEM AS PCB BULK PRODUCT WASTE (>50 PPM).
- (I) = STRUCTURAL STEEL I COLUMN INSIDE WALL. PRESERVE I COLUMN DURING WALL DEMOLITION. REMOVE PAINTED METAL PLATE COVERING BEAM ON INSIDE OF BUILDING AND DISPOSE OF COVER AS PCB (>50 PPM) BULK PRODUCT WASTE.
- (RD) = ROOF DRAIN PIPING COMES DOWN FROM DRAIN OVER TO EXTERIOR WALL. PRESERVE ROOF DRAIN PIPING WHEN DEMOLISHING WALL. RESUPPORT PIPE AND KEEP RAIN WATER ROUTED OUT OF BUILDING.
- HEPA 2000 = RUN 2000 CFM HEPA FILTERED FAN UNITS WITHIN THE WORK AREA DURING FLOOR BEAD BLASTING, WALL BLASTING, EDGE HAND GRINDING, AND FLOOR CUTTING. REMOVE HEPA FAN UNITS JUST BEFORE WALL DEMO COMMENCES.

- = PRIOR TO WALL DEMOLITION, SAW CUT 1/2" WIDE CHANNEL IN CONCRETE FLOOR DOWN TO GRAVEL BELOW. FOLLOW EXISTING CRACK IN FLOOR. PROVIDE HEPA-FILTERED DUST COLLECTION ON CONCRETE CUTTER. DISPOSE OF REMOVED DUST AND DEBRIS AS PCB (<50 PPM) WASTE.
- = PRIOR TO WALL DEMOLITION, SAW CUT CONCRETE FLOOR DOWN TO GRAVEL BELOW. MAKE CUT 6" OUT FROM BASE OF WALL. PROVIDE HEPA-FILTERED DUST COLLECTION ON CONCRETE CUTTER. DISPOSE OF REMOVED DUST AND DEBRIS AS PCB (<50 PPM) WASTE.
- = DEMOLISH MASONRY WALL. DISPOSE OF WALL AND ASSOCIATED WINDOWS, DOOR FRAMES, AND RADIATORS AS PCB BULK PRODUCT WASTE (>50 PPM). REMOVE CONCRETE FLOOR UNDER AND ADJACENT TO WALL WITHIN AREA ESTABLISHED BY CUTS IN CONCRETE FLOOR. DISPOSE OF REMOVED CONCRETE FLOOR AS PCB BULK PRODUCT WASTE (>50 PPM).
- = FOLLOWING WALL DEMOLITION, SAW CUT CONCRETE FLOOR UNDER WALL TO DEPTH OF 4". CUT IS BEING MADE TO FACILITATE REMOVAL OF 6" WIDE SECTION OF CONCRETE FLOOR NEXT TO WALL. MAKE CUT 1" IN FROM BASE OF WALL UNDER FORMER WALL. PROVIDE HEPA-FILTERED DUST COLLECTION ON CONCRETE CUTTER. DISPOSE OF DUST AS PCB (>50 PPM) BULK PRODUCT WASTE.
- = PRIOR TO WALL DEMOLITION, BEAD BLAST FLOOR CLEAN OF PCB-CONTAINING PAINT OR CLEAR SEALER TO DEPTH OF 1/8". DISPOSE OF REMOVED DUST AND DEBRIS AS PCB (<50 PPM) WASTE. KEEP BEAD BLASTER REMOVAL TRACK 6" AWAY FROM BASE OF WALLS. BASE OF WALLS AND EDGE OF CONCRETE FLOORS IMMEDIATELY ADJACENT TO BASE HAS PCB LEVELS >50 PPM.
- = ABRASIVELY BLAST PCB-CONTAINING (<50 PPM) PAINT OFF MASONRY BLOCK WALL TO REMAIN. DISPOSE OF PAINT AND SPENT ABRASIVE AS PCB (<50 PPM) WASTE. WALL BASE IN ART STORAGE ROOM 701A IS GLAZED BLOCK WITH NO >50 PPM GRAY BASE PAINT PRESENT.

- (1) = FOLLOWING WALL DEMOLITION, CUT THROUGH CONCRETE FLOOR AT BASE OF 3 WALLS TO RELEASE SECTION OF CONCRETE FLOOR UNDER WALL FOR REMOVAL.
- (2) = FOLLOWING WALL DEMOLITION, HAMMERDRILL LINE ALONG BASE OF WALL TO BREAK LOOSE SECTION OF CONCRETE FLOOR UNDER DEMOLISHED WALL.
- (3) = HAND GRIND EDGE OF CONCRETE FLOOR AT BASE OF WALL WHERE BEAD BLASTER CANNOT REACH TO DEPTH OF 1/8".
- (4) = HAND GRIND EDGE OF CONCRETE FLOOR AT BASE OF WALL PERIMETER WHERE BEAD BLASTER CANNOT REACH TO DEPTH OF 1/8".
- (5) = ABRASIVELY BLAST PCB-CONTAINING (<50 PPM) PAINT OFF MASONRY BLOCK WALL TO REMAIN. DISPOSE OF PAINT AND SPENT ABRASIVE AS PCB (<50 PPM) WASTE. WALL BASE IN ART STORAGE ROOM 701A IS GLAZED BLOCK WITH NO >50 PPM GRAY BASE PAINT PRESENT.
- (6) = FOLLOWING WALL DEMOLITION, SAW CUT CONCRETE FLOOR UNDER WALL TO DEPTH OF 4". CUT IS BEING MADE TO FACILITATE REMOVAL OF 6" WIDE SECTION OF CONCRETE FLOOR NEXT TO WALL. MAKE CUT 1" IN FROM BASE OF WALL UNDER FORMER WALL. PROVIDE HEPA-FILTERED DUST COLLECTION ON CONCRETE CUTTER.
- (7) = HAND GRIND CONCRETE SILL AND EDGE OF CONCRETE FLOOR AT DOOR / WINDOW PERIMETER WHERE BEAD BLASTER CANNOT REACH TO DEPTH OF 1/8".
- (8) = MAINTAIN TEMPORARY WALL BETWEEN ABATEMENT / DEMO AREA AND OCCUPIED SCHOOL FOR DURATION OF CONSTRUCTION. WALL CONSISTS OF METAL STUDS, 5/ 8" WALLBOARD ON BOTH SIDES AND 6 MIL POLY SHEETING ON BOTH SIDES, SEALED WITH DUCT TAPE.

GENERAL NOTES

1. WATERPROOFING TAR PAPER WITHIN THE EXTERIOR WALL CAVITY IS NOT ASBESTOS-CONTAINING. CAULKING ASSOCIATED WITH EXTERIOR DOORS AND WINDOWS IS NOT ASBESTOS-CONTAINING.
2. CONDUCT WALL DEMOLITION, CONCRETE FLOOR CUTTING, WALL BLASTING, FLOOR GRINDING, AND FLOOR BEAD BLASTING AFTER 3:00 PM TO MINIMIZE DISRUPTION TO SCHOOL PROGRAMS.
3. SUPPLY A GENERATOR FOR POWER TO THE BEAD BLASTING EQUIPMENT, CONCRETE CUTTING EQUIPMENT, AND HEPA FAN UNITS.

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Sheet Description:

DEMO PCB ABATEMENT WING 7

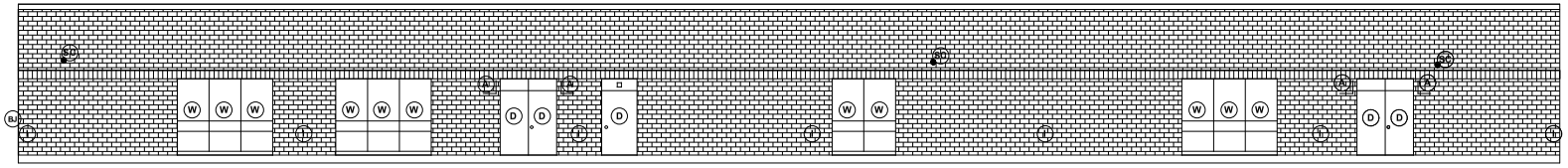
OSF Project #:
09-4-0104 CV Phase 1

Issue Dates: 08-06-2014

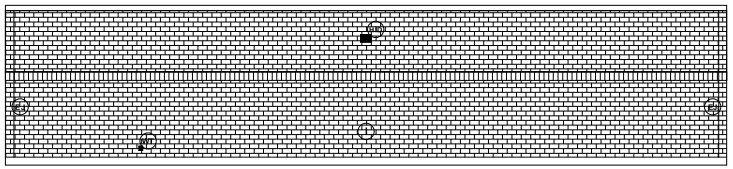
License #: 19
Design By: JL

Sheet #:

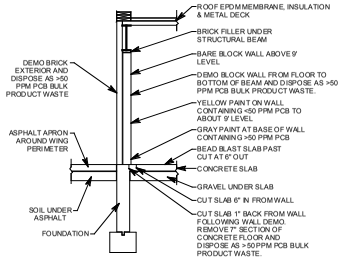
HM1.2



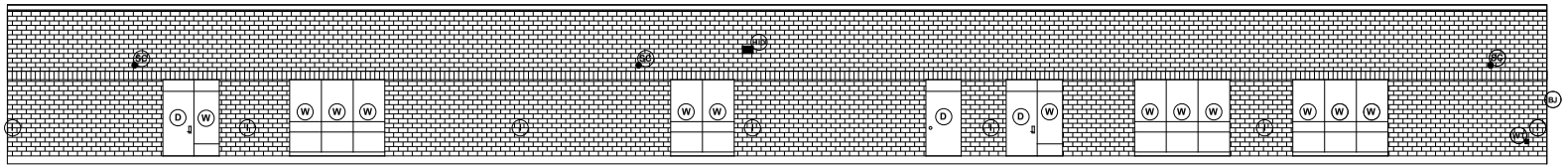
West Elevation PCB Abatement Plan - Wing 7
Scale 3/16" = 1'-0"



South Elevation PCB Abatement Plan - Wing 7
Scale 3/16" = 1'-0"



Exterior Wall Section - Wing 7
Scale 3/16" = 1'-0"



East Elevation PCB Abatement Plan - Wing 7
Scale 3/16" = 1'-0"

GENERAL NOTES

1. WATERPROOFING TAR PAPER WITHIN THE EXTERIOR WALL CAVITY IS NOT ASBESTOS-CONTAINING. CAULKING ASSOCIATED WITH EXTERIOR DOORS AND WINDOWS IS NOT ASBESTOS-CONTAINING.
2. CONDUCT WALL DEMOLITION, CONCRETE FLOOR CUTTING, WALL BLASTING, FLOOR GRINDING, AND FLOOR BEAD BLASTING AFTER 3:00 PM TO MINIMIZE DISRUPTION TO SCHOOL PROGRAMS.

SYMBOL KEY

- (W) = REMOVE WINDOW SYSTEM DURING WALL DEMOLITION AND DISPOSE OF WINDOW SYSTEM AS PCB BULK PRODUCT WASTE (>50 PPM).
- (D) = REMOVE METAL DOOR PRIOR TO WALL DEMOLITION AND DISPOSE OF DOOR AS PCB BULK PRODUCT WASTE (>50 PPM). REMOVE DOOR FRAME SYSTEM DURING WALL DEMOLITION AND DISPOSE OF DOOR FRAME SYSTEM AS PCB BULK PRODUCT WASTE (>50 PPM).
- (HID) = REMOVE HID LIGHTING FIXTURE PRIOR TO WALL DEMOLITION AND TURN FIXTURE OVER TO BUILDING OWNER. VERIFY THAT POWER IS SHUT OFF TO FIXTURE BY OWNER'S PERSONNEL PRIOR TO REMOVAL.
- (SC) = BRASS ROOF DRAIN SCUPPER OUTLET. UNSCREW OUTLET AND TURN OVER TO BUILDING OWNER PRIOR TO WALL DEMOLITION.
- (WT) = WALL MOUNTED HOSE BIB. VERIFY THAT WATER IS SHUT OFF TO HOSE BIB BY OWNER'S PERSONNEL PRIOR TO WALL DEMOLITION.
- (EJ) = CAULKED VERTICAL EXPANSION JOINT.
- (BJ) = CAULKED BUILDING EXPANSION JOINT.
- (I) = STRUCTURAL STEEL I COLUMN INSIDE WALL. PRESERVE I COLUMN DURING WALL DEMOLITION.
- (A) = WALL MOUNTED STEEL ANGLE SUPPORT BRACKETS. REMOVE BRACKETS PRIOR TO WALL DEMOLITION AND DISPOSE AS SCRAP METAL.
- = DEMOLISH BRICK WITH CMU BLOCK WALL SYSTEM. DISPOSE OF WALL SYSTEM AS PCB BULK PRODUCT WASTE.

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ELEVATIONS PCB ABATEMENT WING 7

OSF Project #:
094-0104 CY Phase 1

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License #:	Design By:
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Sheet #:

HM1.3

III. APPENDIX B

PCB ABATEMENT SPECS

SECTION 028433 - PCB ABATEMENT

PART 1 - GENERAL

1.1 SUMMARY:

A. This section specifies the procedures for removal and disposal of walls with PCB-containing paint (>50 ppm) and the abatement of concrete floors with PCB-containing paint and sealer (<50 ppm) identified in Wing 7 at Wallace Middle School (see drawings HM1.1 through HM1.3 for material types and locations). This work is being performed as part of the renovation of Wing 7.

B. Proper dust control measures such as the use of polyethylene sheeting around work areas/lifts, and wet techniques and HEPA filtration on power tools will be implmented to minimize dust generation. Perimeter air monitoring will be conducted.

C. All PCB remediation workers shall have completed 40 hour OSHA HAZWOPER training with current annual 8 hour HAZWOPER refresher training. All PCB remediation workers shall also have completed an on site training session to be given by the Contractor to review the PCB hazards and proper work practices outlined in this plan.

D. All work shall be conducted in accordance with the requirements of EPA regulations including 40 CFR Part 761, OSHA regulations, and CT DEEP Regulations as well as all other applicable codes, rules, and regulations.

E. The Owner will engage the services of an Environmental Consultant (the Consultant) who shall serve as the Owner's Representative in regard to the performance of the PCB remediation, provide direction as required throughout the remediation work, collection verification and monitoring samples per EPA's Approval, and general recordkeeping.

F. The Contractor shall ensure cooperation of its personnel with the Consultant for the sampling and Project Monitoring functions. The Contractor shall comply with all direction given by the Consultant during the course of the Project with regard to the PCB remediation work.

G. The material removal dimensions provided on the contract drawings are subject to modification based on the results of verification testing to be conducted following removal of building materials and ground surfaces. The Contractor shall provide unit costs for additional building material and ground surface removal that may be necessary based on results of the verification testing.

1.2 RELATED WORK SPECIFIED ELSEWHERE

A. Light Tubes & Ballasts: Section 028416.

B. Asbestos Abatement: Section 028216.

C. Lead Abatement: Section 028233.

1.3 REFERENCES

A. Connecticut Department of Energy and Environmental Protection (DEEP):

1. Sec. 22a-449(c)-11 Transporter Permits
2. Sec. 22a-449(c)-100 through 110 Hazardous Waste Management

1.4 SUBMITTALS

A. Prior to Commencement of Work:
1. Submit certification of required insurance evidencing that the required coverages are in effect.
2. Submit proof satisfactory to the Owner that all required permits, site locations, arrangements for transport and disposal of PCB-containing or contaminated materials, supplies, and the like have been obtained from DEEP and EPA.
3. Submit documentation to the Owner indicating that each employee has instruction on the hazards of PCB exposure (40 hour HAZWOPER and site specific training), on use and fitting of respirators, on protective dress, on entry and exit from work areas, and on all aspects of work procedures and protective measures and understands this instruction. Also submit verification that all employees have received medical examinations as required by OSHA regulations.
4. Health & Safety Plan (HASP) developed specific to the Work activities. All workers will follow applicable Federal and State regulations regarding the work activities, including but not limited to OSHA regulations, fall protection standards, respiratory protection, ladder/scaffolding safety, personal protective equipment, etc.
5. Remediation Work Plan: The work plan shall include, but not be limited to, a drawing indicating the location of work areas (boundaries, signage, poly sheeting, etc.), location and details of decontamination facilities, sequencing of PCB materials removal, work procedures, types of equipment, crew size, and emergency procedures for fire and medical emergencies.
6. Waste Transporter and Disposal Facility Permits and other transportation documentation.
7. Project Close-out Submittals: Within 30 days after completion submit the documents listed below:
   a. Originals of all waste disposal manifests, disposal logs, and certificates of disposal.
   b. Daily progress log, including the entry/exit log.
   c. Disposal Site/Landfill Permit from applicable regulatory agency.

1.5 QUALITY ASSURANCE

A. Contractor shall provide and assure that the quality of work practices and procedures are consistent with the below listed agencies. Contractor shall utilize the latest edition, including all addenda, revisions and supplements for all regulatory agencies codes, etc., including but not limited to:
1. Environmental Protection Agency (EPA).
2. Occupational Safety and Health Administration.
3. State of Connecticut DEEP codes and laws.
4. All local codes.

B. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Owner's Representative at the Site for the purpose of re-viewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.

1. The conference shall be attended by the Contractor, the Owner, and the testing/monitoring laboratory employed by the Owner.

PART 2 - PRODUCTS

2.1 PROTECTIVE EQUIPMENT

A. Safety equipment (e.g., hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Standard Z41.1- 1967, disposable PVC gloves or other work gloves, and disposable suits), shall be provided to all workers and authorized visitors.

B. All personnel must utilize proper Personal Protective Equipment (PPE) during all work activities. Proper PPE may vary depending on the job task, but may include disposable gloves, disposable rubber boots, steel-toe boots, disposable suits, respirators, hard hats, hearing protection, and/or eye protection.

C. Provide sufficient quantities of protective clothing to assure that enough complete disposable outfits are available for each individual performing remediation Work each day.

D. Authorized visitors shall be provided with suitable protective clothing, headgear, eye protection, and footwear whenever they enter the Work Area. No unauthorized visitors will be allowed to enter the Work Area.

2.2 RESPIRATORY PROTECTION

A. Select respirators from those approved by the Mine Safety and Health Administration (MSHA), and/or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

B. Respirators shall be individually fit-tested to personnel under the direction of an Industrial Hygienist on a yearly basis. Fit-tested respirators shall be permanently marked to identify the individual fitted, and use shall be limited to that individual. The Contractor shall maintain fit-test records for each employee using a respirator.

C. No respirators shall be issued to personnel without such personnel participating in a respirator training program.

D. High Efficiency Particulate Air (HEPA) respirator filters shall be approved by NIOSH and shall conform to the OSHA requirements in 29 CFR 1910.134.

E. Provide a storage area where respirators will be kept in a clean environment.

F. Provide and make available a sufficient quantity of respirator filters so that filter changes can be made as necessary during the work day.

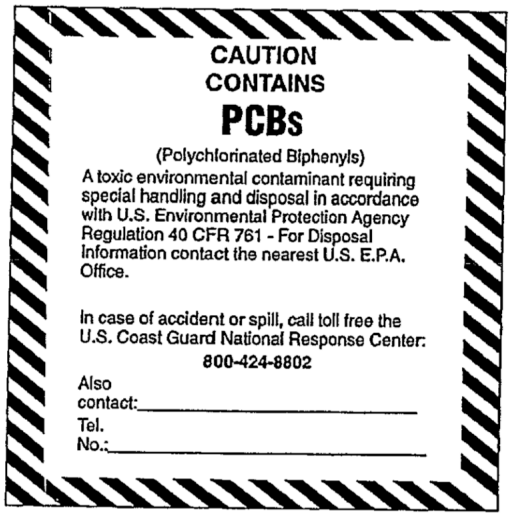
G. Filters shall be removed and discarded during the decontamination process at a frequency at least as often as recommended by the manufacturer's specifications. Filters cannot be reused. Filters used with negative pressure air purifying respirators shall not be used any longer than one eight (8) hour work day.

2.3 SIGNS, LABELS & CONTAINERS

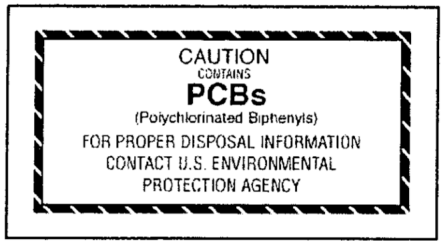
A. Provide warning signs and barrier tapes at all approaches to PCB Work Areas. Locate signs at such distance that personnel may read the sign and take the necessary protective steps required before entering the area. Provide signage in English and Spanish.

B. Provide the appropriate "Large PCB Marking" or "Small PCB Marking" (M_L or M_S per 40 CFR 761) as shown below, of sufficient size to be clearly legible, for display on waste containers (bags, boxes, roll-offs or drums) which will be used to contain or transport PCB contaminated material, in accordance with 40 CFR 761. ln addition, U.S. Department of Transportation (DOT) 49 CFR Parts 171 and 172 requires the name and UN number of the material to be on the bags or drums, and, if shipped in bulk (roll-offs, Gaylord boxes, etc) the bulk container must also be labeled: Polychlorinated biphenyl, solid mixture UN 3432, if designated as a hazardous waste.

M_L



M_S



C. Provide 6 mil polyethylene disposal bags with PCB caution labels.
1. The "Small PCB Label" (M_S per 40 CFR 761) may be used as shown above. Bags shall also be labeled with U.S. DOT required markings per 49 CFR 172, Polychlorinated Biphenyl, solid mixture UN 3432.
2. Labeled PCB waste containers or bags shall not be used for non-PCB waste or trash. Any material placed in labeled containers or bags, whether turned inside out or not shall be handled and disposed of as PCB waste.

D. A secure, lined, and covered waste container (roll-off or equivalent), 55-gallon DOT-approved steel containers, or equivalent will be staged for the collection of PCB wastes generated during the work activities in accordance with 40 CFR 761.65;

E. All containers with PCB materials that are not regulated as Hazardous Waste will be properly labeled and marked in accordance with applicable State requirements and the requirements of the selected disposal facility.

2.4 MATERIALS

A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed of as PCB waste.

B. All polyethylene (plastic) sheeting used on the Project (including but not limited to sheeting used for barriers, fixed objects, walls, floors, ceilings, waste containers) shall be at least 10 mil for ground and floor application and 6 mil for other applications.

C. Tape will be used that is capable of sealing joints in adjacent plastic sheets and for attachment of plastic sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions.

2.5 TOOLS & EQUIPMENT

A. Tools used for the removal of PCB materials shall be used in a manner that minimizes dust generation, as appropriate.

B. All dry vacuuming performed under this contract shall be performed with High Efficiency Particulate Air (HEPA) filter equipped industrial vacuums conforming to ANSI Z9.2.

C. Any power tools used to drill, cut into, or otherwise disturb PCB material shall be cowled with HEPA filtered local exhaust ventilation.

D. Ladders, lifts, and/or scaffolds are to be of adequate length and sufficient quantity to support work schedule.

E. Other Materials - provide all other materials such as lumber, nails and hardware, which may be required to construct and dismantle the decontamination area and the barriers that isolate the Work Area.

F. Vehicle Storage - No construction vehicles shall be stored, serviced, washed or flushed out in a location where leaks, spillage, waste materials, cleaners or waters will flow or be otherwise introduced into wetlands, reservoirs or watercourses.

PART 3 - EXECUTION

3.1 GENERAL REQUIREMENTS

A. The work of this section consists of, but is not limited to:
1. Furnishing of all labor, materials, facilities, equipment, services, and insurance necessary to perform the work;
2. Maintenance of work area/site security;
3. Preparation of work area, including installation of containment and decontamination areas as required;
4. Removal, segregation, and off-site disposal of PCB-containing materials;
5. Clean-up and final decontamination of all work areas;
6. Implementation of a worker protection program in compliance with all applicable regulations;
7. Proper storage, wrapping/bagging, labeling, transportation and disposal of all waste generated as part of PCB remediation activities.

B. Maintain the following documentation on-site during remediation activities:
   1. Medical approval to wear a respirator for all workers, fit test reports, worker 40 hour HAZWOPER training certificates, worker current 8 hour HAZWOPER refresher training certificate
   2. Project documents (remediation plan, work plan, drawings, specifications, etc.)
   3. Material Safety Data Sheets
   4. List of Emergency Contact information
   5. Project logs

3.2 WORK AREA PREPARATION

A. Access to the active work areas will be controlled through the use of controlled access points, polyethylene containment, and signage.

B. Contain the PCB work area with a negative pressure containment consisting of 6 mil polyethylene sheeting on all openings and HEPA filtered fan units exhausted outdoors.

C. Tools, equipment, and material waste receptors are to be staged prior to commencement of work.

D. All areas will be kept free from debris and maintained in a safe condition. At the end of each work day, the work areas will be inspected and all dust and debris cleaned and placed in appropriate disposal containers.

3.3 WORKER DECONTAMINATION ENCLOSURE SYSTEM

A. Establish contiguous to the Work Area, a Worker Decontamination Enclosure System consisting of Equipment Room, Shower Room and Clean Room in series. Access to the Work Area shall only be through this enclosure.

B. Access between rooms in the Worker Decontamination Enclosure System shall be through double flap curtained openings (air locks). Other effective designs are permissible. The Clean Room, Shower Room and Equipment Room located within the Worker Decontamination Enclosure, shall be completely sealed ensuring sole source of air flow into the PCB Control Area originates from the outside uncontaminated areas.

C. The Clean Room shall be adequately sized to accommodate workers and shall be equipped with a suitable number of hooks, lockers, shelves, etc., for workers to store personal articles and clothing. Changing areas of the Clean Room shall be suitably screened from areas occupied by the public.

D. The Shower Room shall be of sufficient capacity to accommodate the number of workers. Supply warm water to showers. Provide one shower for each eight workers. No worker or other person shall leave a PCB Control Area without showering. Shower water shall be collected and filtered using best available technology and dumped down an approved drain.

E. No personnel or equipment shall be permitted to leave the PCB Control Area unless just decontaminated by showering, wet cleaning or HEPA vacuuming to remove all asbestos debris. No PCB-contaminated materials or persons shall enter the Clean Room.

3.4 PCB REMOVAL

A. Removal and off-site disposal of all PCB-containing material in accordance with Drawings HM1.1 through HM1.3, as PCB waste in accordance with 40 CFR 761.62.

B. Following the initial removal, verification samples will be collected by the Environmental Consultant to verify that the cleanup levels have been met. Depending on the results of these samples, either the task will be considered complete (i.e., cleanup levels met) or additional removal or decontamination will be needed (i.e., cleanup levels not met). Contractor shall include plans to store and identify materials represented by each verification sample in order to allow additional removals or segregation depending on verification testing. Following additional removal or decontamination, the verification process will be repeated until the cleanup levels are met. The Contractor shall provide unit pricing for additional removal or decontamination that may be required.

C. After completion of work, clean up of all surfaces and work areas shall be conducted in accordance with Part 3.6 of this Section.

D. If at any time during PCB removal, should the Contractor or the Owner's Consultant suspect contamination of areas outside the work area, all abatement work shall cease until the Contractor takes steps to decontaminate these areas and eliminate causes of such contamination.

3.5 AIR MONITORING

A. Air monitoring activities shall be conducted by the Owner’s Consultant during PCB remediation work. The air monitoring shall include, at a minimum, hourly readings within a zone perimeter to the Work Area (Support Work Zone or SWZ) so as to assure that work practices are protective of human health to persons outside of the Work Area. Air monitoring shall be conducted with a particulate aerosol monitor capable of displaying real-time concentrations of airborne particulates in a mass per volume ratio to 0.001 milligrams per cubic meter (mg/m^3). Prior to the active removal actions and at periodic points during the project, air monitoring readings will be recorded to document background particulate matter concentrations.

B. If total particulate concentrations in the SWZ exceed the action limits (e.g., 0.1 mg/m^3 above background) and are sustained (i.e. greater than 5 minutes), then the work will be stopped and additional dust suppression techniques to mitigate fugitive dust shall be initiated.

3.6 CLEAN-UP & CLEARANCE TESTING

A. Remove visible accumulations of PCB material and debris. Wet clean or HEPA vacuum all surfaces within the Work Area.

B. Removal of PCB-containing paint and sealer on concrete floors to be considered complete based on results of visual inspection and verification wipe and bulk testing conducted by the Owner’s Consultant.

C. For verification of task completion through the collection of samples for analytical testing there may be up to a 5-7 business day turn around time prior to receiving the results of the analytical testing. Appropriate project planning and scheduling should be incorporated into the overall project plans including methods for storing and identifying waste materials represented by each verification sample to allow for additional removal if required.

D. A visual inspection of all work areas shall be conducted by the Owner's Consultant following completion of remediation activities. The visual inspection will document incomplete work, damage caused by the abatement activity, and inadequate clean-up of the worksite, as applicable. Additional cleaning, repair work, or remediation work shall be conducted to the satisfaction of the Owner at the Contractor's expense.

3.7 WASTE MANAGEMENT AND DISPOSAL

A. All wastes shall be placed in authorized leak-tight containers and kept closed and locked at all times except for adding or removing waste. All wastes shall be kept in a secure location with proper signage visible at all times.

B. Labeled PCB waste containers or bags shall not be used for non-PCB waste or trash. Any material placed in labeled containers or bags, whether turned inside out or not shall be handled and disposed of as PCB waste.

C. All containers with PCB materials that are not regulated as Hazardous Waste shall be properly labeled and marked in accordance with applicable State requirements and the requirements of the selected disposal facility.

D. Temporary Storage of Waste Trailers - The Owner will make available distinct areas where waste trailers can be stored temporarily on site. The Owner's representative will verify the segregation of the waste going to the waste containers during the work and will record the number of trailers of PCB waste leaving the site and verify that the amount recorded agrees with the amount listed on the waste disposal manifest at the time of removal from the site.

E. All PCB materials are to be placed in appropriate waste containers immediately upon removal. PCB materials may be stored within the work area until such time as the removal work in that area is complete or until the end of the working day.

F. All PCB waste generated shall be stored on-site in a secure, lined, and covered waste container (roll-off or equivalent), 55-gallon DOT-approved steel containers, or equivalent staged for the collection of PCB wastes generated during the work activities in accordance with 40 CFR 761.65. The staging area for PCB waste will be approved by the Owner prior to beginning the PCB remediation activities.

G. Transporter and Disposal Site shall be approved by the Owner. Selected disposal site shall be in accordance with the requirements of 40 CFR 761.

H. Provide twenty-four (24) hour notification prior to removing any waste from the site. Waste shall be removed from the site only during normal working hours unless otherwise specified. No waste may be taken from the site unless the Contractor is present and the Owner authorizes the release of the waste as described herein.

I. All waste generated as part of the PCB project shall be removed from the site within 30 calendar days after successful completion of all PCB Remediation work.

J. Upon arrival at the Project Site, the Transporter must possess and present to the Contractor a valid Waste Transporter Permit for the subject waste.

K. The Transporter, with the Contractor shall inspect all material in the transport container prior to taking possession and signing the Manifests.

L. Supply and complete the manifests and all other required waste disposal documentation in accordance with all applicable federal and state regulations. All manifests and other waste documentation shall be signed by the Owner or a designated representative. Allow 1 week processing time for Owner to sign waste documentation. Copies of all waste documentation shall be provided to the Owner and Owner's Consultant.

END OF SECTION 028433

IV. APPENDIX C

INITIAL PCB BULK SAMPLING

ENVIROMED SERVICES, INC.

Polychlorinated Biphenyls Inspection
for
John Wallace Middle School
71 Halleran Drive
Newington, Connecticut

Technical Education Rooms 703 - 705

Prepared
for
Newington Public Schools
131 Cedar Street
Newington, CT 06111

April 25, 2013

EnviroMed Project # IH-13-111

470 Murdock Ave., Meriden, CT 06450
telephone (203) 238-4846• facsimile (203) 238-4243

TABLE OF CONTENTS

I. PROJECT NARRATIVE

Overview

On April 25, 2013, an inspector from EnviroMed Services performed a limited inspection at the John Wallace School, 71 Halleran Drive, Newington, Connecticut. The purpose of this inspection was to confirm or negate the presence polychlorinated biphenyls (PCB) in suspect painted surfaces in the technical education rooms.

Methodology

A total of 3 samples of suspect paint were collected.
Samples were taken with a disposable razor knife that was changed for each sample. New latex gloves were worn by the inspector for each sample. At least 1 gram of sample was taken. The samples were couriered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts with a completed chain of custody. Analysis of the bulks for PCB Arochlors was performed using EPA Analytical Method 8082A with extraction by Soxhlet Extraction - EPA Method 3540.

Section II presents the Sample Log and Results Table.

Section III Presents the Sample Location Diagram.

Section IV presents the laboratory analysis results.

Summary of Results

Room 705

The red floor paint was found to contain a total PCB level of 23.8 ppm (parts per million).

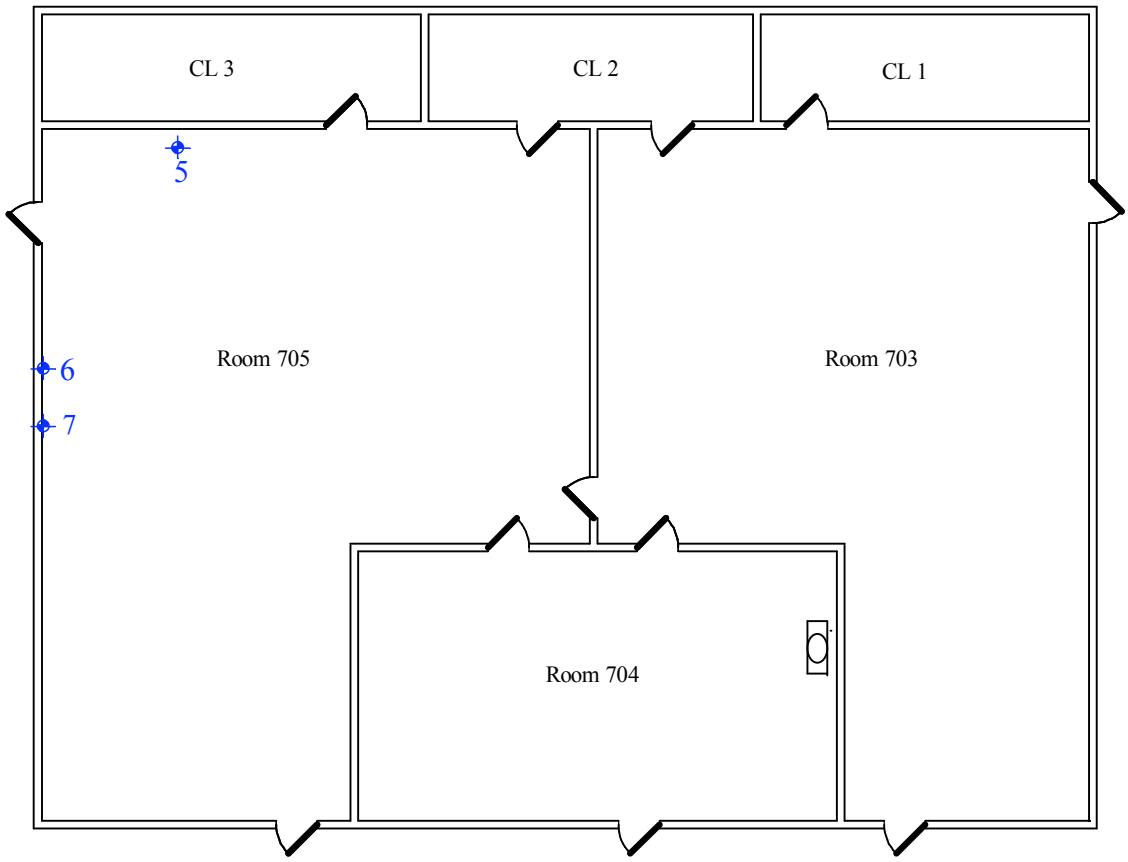
The yellow wall paint was found to contain a total PCB level of 43.1 ppm (parts per million).

The gray base paint was found to contain a total PCB level of 490.0 ppm (parts per million)

II. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	PCB Content (ppm)
5	Room 705	red floor paint	23.8
6	Room 705	yellow wall paint	43.1
7	Room 705	gray base paint	490.0

III. SAMPLE LOCATION DIAGRAM



LEGEND

= Bulk Sample Location and Number

Drawing Title: PCB Inspection Location	
Project: Technical Education Wing John Wallace School 71 Halleran Drive, Newington, CT	04 / 25 /13 Revision Dates
Prepared For: Newington Public Schools	
Prepared By: EnviroMed Services, Inc. 470 Murdock Ave., Meriden, CT	Drawing No. PCB-1
EnviroMed Services # IH-13-111	

IV. LABORATORY ANALYSIS RESULTS

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May 3, 2013

Aboud Abdelghani
EnviroMed Services
470 Murdock Avenue
Meriden, CT 06450

Project Location: Newington-John Wallace M.S.
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 13D1146

Enclosed are results of analyses for samples received by the laboratory on April 29, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

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EnviroMed Services
470 Murdock Avenue
Meriden, CT 06450
ATTN: Aboud Abdelghani

REPORT DATE: 5/3/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13D1146

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Newington-John Wallace M.S.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5	13D1146-01	Paint	Red Floor Paint	SW-846 8082A	
6	13D1146-02	Paint	Yellow Wall Paint	SW-846 8082A	
7	13D1146-03	Paint	Gray Base Paint	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

13D1146-03[7]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

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Project Location: Newington-John Wallace M.S. Sample Description: Red Floor Paint Work Order: 13D1146

Date Received: 4/29/2013

Field Sample #: 5 Sampled: 4/25/2013 00:00

Sample ID: 13D1146-01

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1221 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1232 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1242 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1248 [2]	15	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1254 [2]	8.8	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1260 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1262 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB
Aroclor-1268 [1]	ND	2.3	mg/Kg	5		SW-846 8082A	4/29/13	5/2/13 11:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	120	30-150		5/2/13 11:36
Decachlorobiphenyl [2]	126	30-150		5/2/13 11:36
Tetrachloro-m-xylene [1]	123	30-150		5/2/13 11:36
Tetrachloro-m-xylene [2]	140	30-150		5/2/13 11:36

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Project Location: Newington-John Wallace M.S. Sample Description: Yellow Wall Paint Work Order: 13D1146

Date Received: 4/29/2013

Field Sample #: 6 Sampled: 4/25/2013 00:00

Sample ID: 13D1146-02

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1221 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1232 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1242 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1248 [2]	25	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1254 [2]	12	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1260 [2]	6.1	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1262 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB
Aroclor-1268 [1]	ND	1.6	mg/Kg	2		SW-846 8082A	4/29/13	5/2/13 15:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		5/2/13 15:12
Decachlorobiphenyl [2]	101	30-150		5/2/13 15:12
Tetrachloro-m-xylene [1]	112	30-150		5/2/13 15:12
Tetrachloro-m-xylene [2]	119	30-150		5/2/13 15:12

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Project Location: Newington-John Wallace M.S. Sample Description: Gray Base Paint Work Order: 13D1146

Date Received: 4/29/2013

Field Sample #: 7 Sampled: 4/25/2013 00:00

Sample ID: 13D1146-03

Sample Matrix: Paint

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1221 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1232 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1242 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1248 [2]	490	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1254 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1260 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1262 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB
Aroclor-1268 [1]	ND	42	mg/Kg	50		SW-846 8082A	4/29/13	5/2/13 15:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/13 15:26
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/13 15:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/13 15:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/13 15:26

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13D1146-01 [5]	B072018	0.219	10.0	04/29/13
13D1146-02 [6]	B072018	0.126	10.0	04/29/13
13D1146-03 [7]	B072018	0.120	10.0	04/29/13

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B072018 - SW-846 3540C										
Blank (B072018-BLK1)				Prepared: 04/29/13 Analyzed: 05/02/13						
Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	*12.3*		mg/Kg	10.0		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*11.5*		mg/Kg	10.0		115	30-150			
Surrogate: Tetrachloro-m-xylene	*13.1*		mg/Kg	10.0		131	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*13.2*		mg/Kg	10.0		132	30-150			
LCS (B072018-BS1)				Prepared: 04/29/13 Analyzed: 05/02/13						
Aroclor-1016	2.6	0.50	mg/Kg	2.50		106	40-140			
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		114	40-140			
Aroclor-1260	2.8	0.50	mg/Kg	2.50		111	40-140			
Aroclor-1260 [2C]	2.9	0.50	mg/Kg	2.50		117	40-140			
Surrogate: Decachlorobiphenyl	*13.2*		mg/Kg	10.0		132	30-150			
Surrogate: Decachlorobiphenyl [2C]	*12.6*		mg/Kg	10.0		126	30-150			
Surrogate: Tetrachloro-m-xylene	*13.2*		mg/Kg	10.0		132	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*13.5*		mg/Kg	10.0		135	30-150			
LCS Dup (B072018-BSD1)				Prepared: 04/29/13 Analyzed: 05/02/13						
Aroclor-1016	3.2	0.50	mg/Kg	2.50		128	40-140	18.8	30	
Aroclor-1016 [2C]	2.8	0.50	mg/Kg	2.50		113	40-140	0.847	30	
Aroclor-1260	2.9	0.50	mg/Kg	2.50		117	40-140	4.84	30	
Aroclor-1260 [2C]	2.7	0.50	mg/Kg	2.50		110	40-140	6.47	30	
Surrogate: Decachlorobiphenyl	*10.1*		mg/Kg	10.0		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*9.86*		mg/Kg	10.0		98.6	30-150			
Surrogate: Tetrachloro-m-xylene	*10.5*		mg/Kg	10.0		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*11.0*		mg/Kg	10.0		110	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

1301146

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Rev 04.05.12

Company Name: EnviroMed Services
Address: 470 Murdock Ave
Meriden, CT
Attention:
Project Location: Newington - John Wallace M.S
Sampled By: KRK/GB

Telephone: 203-238-4846
Project #
Client PO#

DATA DELIVERY (check all that apply)
O FAX ● EMAIL O WEBSITE
Fax #
Email: lcarron@environedservices.com
Format: ● PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	3	0
-01	5 - red floor paint	4/25			X	O		X	
-02	6 - yellow wall paint	↓			X	O		X	
-03	7 - grey base paint	↓			X	O		X	

# of Containers
** Preservation
***Container Code

ANALYSIS REQUESTED
PCBs by soxhlet

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other paint

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	4/29 3:25
Received by: (signature)	Date/Time:
	4/29/13 15:25
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
O 7-Day
● 10-Day
O Other ____
RUSH †
O †24-Hr O †48-Hr
O †72-Hr O †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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V. APPENDIX D

FOLLOW-UP PCB BULK SAMPLING

ENVIROMED SERVICES, INC.

Polychlorinated Biphenyls Inspection
for
John Wallace Middle School
71 Halleran Drive
Newington, Connecticut

Technical Education Area

Prepared
for
Newington Public Schools
131 Cedar Street
Newington, CT 06111

June 12, 2013

EnviroMed Project # IH-13-111 C

470 Murdock Ave., Meriden, CT 06450
telephone (203) 238-4846• facsimile (203) 238-4243

TABLE OF CONTENTS

I. PROJECT NARRATIVE

Overview

On April 25, 2013, EnviroMed Services performed a limited inspection to confirm or negate the presence of polychlorinated biphenyls (PCB) in paint on building surfaces in the technical education area.
On June 12, 2013, additional inspection was performed in the technical education area. The purpose of this inspection is to determine if polychlorinated biphenyls have penetrated into associated surfaces and substrates with PCB containing paint or associated surfacing material.

Methodology

A total of 15 bulk samples were collected.
Surface samples were collected using manual scraping.
Core samples were collected using an impact hammer drill with a carbide drill bit to generate a uniform, finely ground powder which is vacuumed into a glass container. The paint was removed from the substrate in each core spot.
All tools, drill bits and sampling equipment where solvent cleaned and washed with distilled water following each sample collected. At least 1 gram of each sample was collected.
The samples were couriered to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts with a completed chain of custody. Analysis of the bulks for PCB Arochlors was performed using EPA Analytical Method 8082A with extraction by Soxhlet Extraction - EPA Method 3540.

Section II presents the Sample Log and Results Table.

Section III presents the Sample Location Diagram.

Section IV presents the Laboratory Analysis Results.

Summary of Results

Materials found with Polychlorinated Biphenyls (PCB's) total concentration greater than 50 (mg/kg)

Room 701

The floor sealer surface (sample # 1) was found to contain a total PCB concentration of 192 (mg/kg).

Materials found with Polychlorinated Biphenyls (PCB's) total concentration from 1.0 to 50 (mg/kg)

Room 701

The floor sealer surface (sample # 3) was found to contain a total PCB concentration of 8.4 (mg/kg).

Room 707

The floor sealer surface (sample # 2) was found to contain a total PCB concentration of 18.6 (mg/kg).

The base wall core (sample # 6) to a depth of 0.25 inches, was found to contain total PCB concentration of 16.0 (mg/kg).

The base wall core (sample # 7) to a depth of 0.5 inches , was found to contain total PCB concentrations of 13.0 (mg/kg).

Materials found with Polychlorinated Biphenyls (PCB's) total concentration less than 1.0 (mg/kg)

Room 701

The wall core (sample # 8) to a depth of 0.25 inches was found to contain a total PCB concentration of 0.91 (mg/kg).

The wall core (sample # 9) to a depth of .25 to 0.5 inches was found to contain a total PCB concentration of 0.51 (mg/kg).

Room 706

The wall core by the right side of the door frame, (sample # 14) to a depth of 0.25 inches was found to contain a total PCB concentration of 0.27 (mg/kg).

The wall core by the right side of the door frame, (sample # 15) to a depth of.25 to 0.5 inches was found to contain a total PCB concentration of 0.22 (mg/kg).

Room 707

The wall near the left side of the door frame, (sample # 12) to a depth of 0.25 inches was found to contain a total PCB concentration of 0.78 (mg/kg).

The wall core near the left side of the door frame, (sample # 13) to a depth of .25 to 0.50 inches was found to contain a total PCB concentration of 0.63 (mg/kg).

The surface sealer with concrete (sample # 4) was found to contain a total PCB concentration of 0.4 (mg/kg).

The surface sealer with concrete (sample # 5) was found to contain a total PCB concentration of 0.4 (mg/kg).

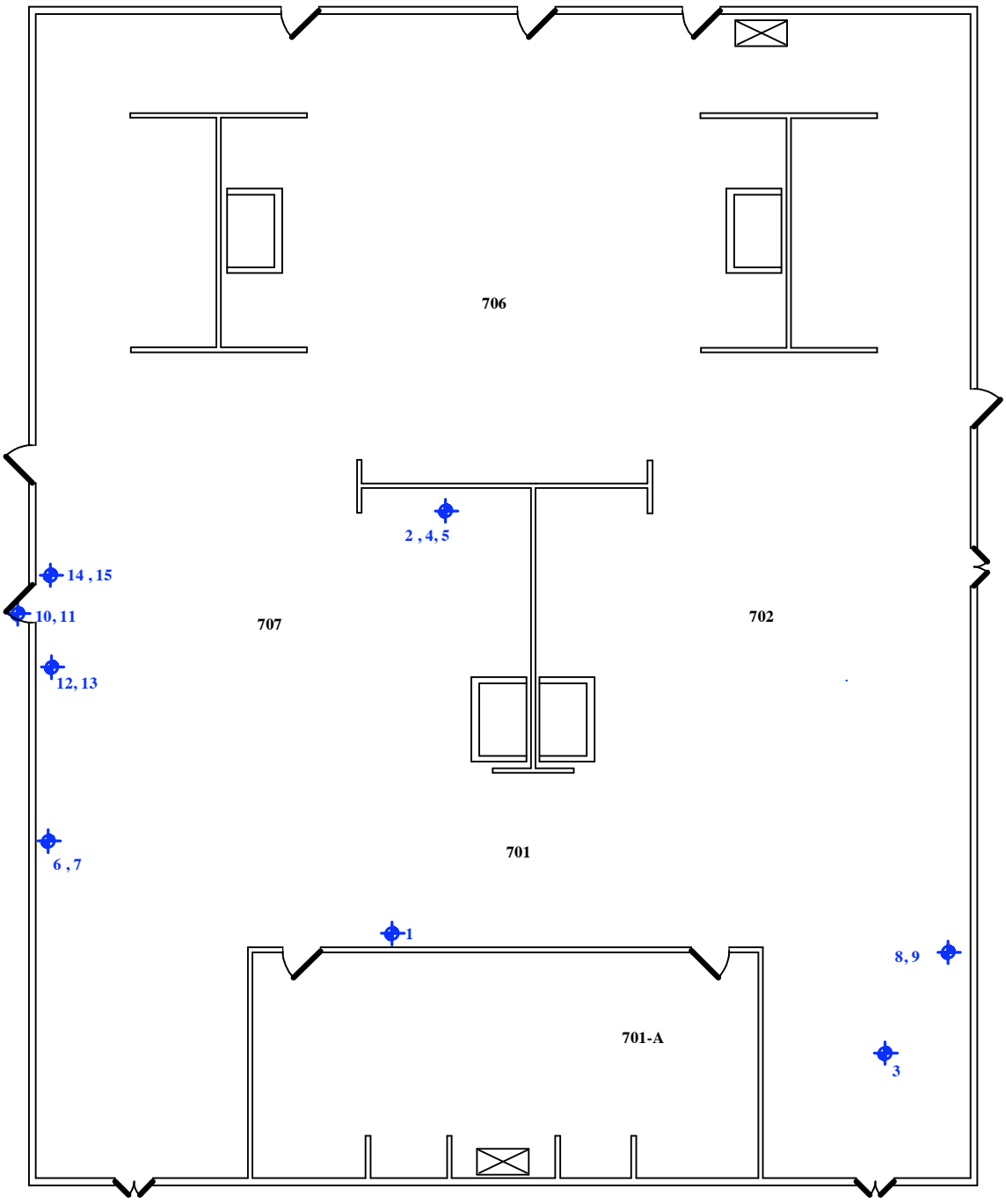
The wall core above the door frame, (sample # 10), to a depth of .25 inches, was found to contain a total PCB concentration of 0.29 (mg/kg).

The wall core above the door frame, (sample # 11), to a depth of .25 to .5 inches, was found to contain a total PCB concentration of 0.35 (mg/kg).

II. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Depth (inches)	Total PCB Content (mg/Kg)
1	Room 701 - floor	floor sealer	surface	192.00
2	Room 707 - floor	floor sealer	surface	18.60
3	Room 701 - floor	floor sealer	surface	8.40
4	Room 707 - floor	floor sealer with concrete	surface	0.40
5	Room 707 - floor	floor sealer with concrete	surface	0.40
6	Room 707- base wall	masonry	0.25	16.00
7	Room 707 – base wall	masonry	0.25-0.50	13.00
8	Room 701 - wall	masonry	0.25	0.91
9	Room 701- wall	masonry	0.25-0.50	0.51
10	Room 707 – wall above door	masonry	0.25	0.29
11	Room 707 – wall above door	masonry	0.25-0.50	0.35
12	Room 707 – wall by left side of door	masonry	0.25	0.78
13	Room 707 – wall by left side of door	masonry	0.25-0.50	0.63
14	Room 706 – wall by right side of door	masonry	0.25	0.27
15	Room 706 – wall by right side of door	masonry	0.25-0.50	0.22

III. SAMPLE LOCATION DIAGRAM



Legend: Technical Education Wing

= PCB Sample Location

Drawing Title: PCB Inspection Location	**6/28/13**
Project: Technical Education Wing **John Wallace School** **71 Halleran Drive, Newington, CT**	Revision:
Prepared For: Newington Public Schools	
Prepared By: Enviromed Services 470 Murdock Avenue Meriden, CT	Drawing Number: **PCB-1**
Enviromed Services #IH-13-111-C	

IV. LABORATORY ANALYSIS RESULTS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 26, 2013

Aboud Abdelghani
EnviroMed Services
470 Murdock Avenue
Meriden, CT 06450

Project Location: John Wallace Middle School
Client Job Number:
Project Number: IH-13-111
Laboratory Work Order Number: 13F0543

Enclosed are results of analyses for samples received by the laboratory on June 17, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EnviroMed Services
470 Murdock Avenue
Meriden, CT 06450
ATTN: Aboud Abdelghani

REPORT DATE: 6/26/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: IH-13-111

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13F0543

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: John Wallace Middle School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1	13F0543-01	Product/Solid	Floor Sealer	SW-846 8082A	
2	13F0543-02	Product/Solid	Floor Sealer	SW-846 8082A	
3	13F0543-03	Product/Solid	Floor Sealer	SW-846 8082A	
4	13F0543-04	Product/Solid	Sealer With Cement	SW-846 8082A	
5	13F0543-05	Product/Solid	Sealer With Cement	SW-846 8082A	
6	13F0543-06	Product/Solid	Base Wall 1/4in	SW-846 8082A	
7	13F0543-07	Product/Solid	Base Wall 1/2in	SW-846 8082A	
8	13F0543-08	Product/Solid	Block Wall 1/4in	SW-846 8082A	
9	13F0543-09	Product/Solid	Block Wall 1/4in to 1/2in	SW-846 8082A	
10	13F0543-10	Product/Solid	Block Wall 1/4in Top Of Door	SW-846 8082A	
11	13F0543-11	Product/Solid	Block Wall 1/4in to 1/2in Top Of Door	SW-846 8082A	
12	13F0543-12	Product/Solid	Left Side Block Wall 1/4in Deep	SW-846 8082A	
13	13F0543-13	Product/Solid	Left Side Block Wall 1/4in to 1/2in Deep	SW-846 8082A	
14	13F0543-14	Product/Solid	Block Wall Rt. Of Door 1/4in Deep	SW-846 8082A	
15	13F0543-15	Product/Solid	Block Wall Rt. Of Door 1/4in to 1/2in Deep	SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1248, Aroclor-1248 [2C]

13F0543-10[10]

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1248, Aroclor-1248 [2C]

13F0543-11[11], 13F0543-12[12], 13F0543-13[13], 13F0543-14[14], 13F0543-15[15]

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C]

13F0543-01[1], 13F0543-02[2], 13F0543-03[3], 13F0543-04[4], 13F0543-05[5], 13F0543-06[6], 13F0543-07[7], 13F0543-08[8], 13F0543-09[9], 13F0543-10[10], 13F0543-11[11], 13F0543-12[12], 13F0543-13[13], 13F0543-14[14], 13F0543-15[15], B075143-BLK1, B075143-BS1, B075143-BSD1

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

13F0543-01[1], 13F0543-06[6]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School Sample Description: Floor Sealer Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 1 Sampled: 6/12/2013 00:00

Sample ID: 13F0543-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	15	mg/Kg	100	R-05	SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1221 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1232 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1242 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1248 [1]	92	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1254 [1]	100	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1260 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1262 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC
Aroclor-1268 [1]	ND	15	mg/Kg	100		SW-846 8082A	6/18/13	6/20/13 9:50	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/20/13 9:50
Decachlorobiphenyl [2]	*	30-150	S-01	6/20/13 9:50
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/20/13 9:50
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/20/13 9:50

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Floor Sealer | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 2 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	10	R-05	SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1221 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1232 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1242 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1248 [1]	6.7	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1254 [1]	7.1	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1260 [2]	4.8	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1262 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC
Aroclor-1268 [1]	ND	1.8	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:03	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		6/20/13 10:03
Decachlorobiphenyl [2]	122	30-150		6/20/13 10:03
Tetrachloro-m-xylene [1]	110	30-150		6/20/13 10:03
Tetrachloro-m-xylene [2]	112	30-150		6/20/13 10:03

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Floor Sealer | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 3 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10	R-05	SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1248 [2]	3.3	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1254 [2]	3.5	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1260 [2]	1.6	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	6/18/13	6/20/13 10:16	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		6/20/13 10:16
Decachlorobiphenyl [2]	113	30-150		6/20/13 10:16
Tetrachloro-m-xylene [1]	106	30-150		6/20/13 10:16
Tetrachloro-m-xylene [2]	106	30-150		6/20/13 10:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Sealer With Cement | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 4 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1248 [1]	0.23	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1254 [1]	0.17	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:29	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.8	30-150		6/20/13 10:29
Decachlorobiphenyl [2]	102	30-150		6/20/13 10:29
Tetrachloro-m-xylene [1]	93.4	30-150		6/20/13 10:29
Tetrachloro-m-xylene [2]	91.5	30-150		6/20/13 10:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Sealer With Cement | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 5 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1248 [2]	0.23	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1254 [1]	0.17	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 10:42	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	98.6	30-150		6/20/13 10:42
Decachlorobiphenyl [2]	105	30-150		6/20/13 10:42
Tetrachloro-m-xylene [1]	97.3	30-150		6/20/13 10:42
Tetrachloro-m-xylene [2]	95.3	30-150		6/20/13 10:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Base Wall 1/4in | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 6 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.8	mg/Kg	50	R-05	SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1221 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1232 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1242 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1248 [2]	16	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1254 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1260 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1262 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC
Aroclor-1268 [1]	ND	2.8	mg/Kg	50		SW-846 8082A	6/18/13	6/20/13 10:55	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/20/13 10:55
Decachlorobiphenyl [2]	*	30-150	S-01	6/20/13 10:55
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/20/13 10:55
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/20/13 10:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Base Wall 1/2in | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 7 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20	R-05	SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1248 [1]	13	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1254 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	6/18/13	6/20/13 11:08	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		6/20/13 11:08
Decachlorobiphenyl [2]	111	30-150		6/20/13 11:08
Tetrachloro-m-xylene [1]	98.5	30-150		6/20/13 11:08
Tetrachloro-m-xylene [2]	102	30-150		6/20/13 11:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School Sample Description: Block Wall 1/4in Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 8 Sampled: 6/12/2013 00:00

Sample ID: 13F0543-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg	2	R-05	SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1248 [2]	0.91	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg	2		SW-846 8082A	6/18/13	6/21/13 9:13	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		6/21/13 9:13
Decachlorobiphenyl [2]	98.6	30-150		6/21/13 9:13
Tetrachloro-m-xylene [1]	97.8	30-150		6/21/13 9:13
Tetrachloro-m-xylene [2]	96.6	30-150		6/21/13 9:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Block Wall 1/4in to 1/2in | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 9 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1248 [2]	0.51	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 11:59	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.8	30-150		6/20/13 11:59
Decachlorobiphenyl [2]	104	30-150		6/20/13 11:59
Tetrachloro-m-xylene [1]	94.6	30-150		6/20/13 11:59
Tetrachloro-m-xylene [2]	93.9	30-150		6/20/13 11:59

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Block Wall 1/4in Top Of Door | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 10 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1248 [2]	0.29	0.099	mg/Kg	1	O-03	SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:12	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		6/20/13 12:12
Decachlorobiphenyl [2]	107	30-150		6/20/13 12:12
Tetrachloro-m-xylene [1]	89.6	30-150		6/20/13 12:12
Tetrachloro-m-xylene [2]	89.1	30-150		6/20/13 12:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Block Wall 1/4in to 1/2in Top Of Doo | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 11 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1248 [2]	0.35	0.099	mg/Kg	1	O-04	SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:25	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		6/20/13 12:25
Decachlorobiphenyl [2]	108	30-150		6/20/13 12:25
Tetrachloro-m-xylene [1]	89.5	30-150		6/20/13 12:25
Tetrachloro-m-xylene [2]	88.3	30-150		6/20/13 12:25

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Left Side Block Wall 1/4in Deep | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 12 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1248 [2]	0.78	0.099	mg/Kg	1	O-04	SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:38	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.6	30-150		6/20/13 12:38
Decachlorobiphenyl [2]	106	30-150		6/20/13 12:38
Tetrachloro-m-xylene [1]	88.2	30-150		6/20/13 12:38
Tetrachloro-m-xylene [2]	87.3	30-150		6/20/13 12:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Left Side Block Wall 1/4in to 1/2in D | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 13 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1248 [2]	0.63	0.10	mg/Kg	1	O-04	SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 12:51	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		6/20/13 12:51
Decachlorobiphenyl [2]	106	30-150		6/20/13 12:51
Tetrachloro-m-xylene [1]	88.6	30-150		6/20/13 12:51
Tetrachloro-m-xylene [2]	86.9	30-150		6/20/13 12:51

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Block Wall Rt. Of Door 1/4in Deep | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 14 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1248 [2]	0.27	0.097	mg/Kg	1	O-04	SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:04	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		6/20/13 13:04
Decachlorobiphenyl [2]	108	30-150		6/20/13 13:04
Tetrachloro-m-xylene [1]	90.9	30-150		6/20/13 13:04
Tetrachloro-m-xylene [2]	89.6	30-150		6/20/13 13:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: John Wallace Middle School | Sample Description: Block Wall Rt. Of Door 1/4in to 1/2in | Work Order: 13F0543

Date Received: 6/17/2013

Field Sample #: 15 | Sampled: 6/12/2013 00:00

Sample ID: 13F0543-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1	R-05	SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1248 [2]	0.22	0.099	mg/Kg	1	O-04	SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	6/18/13	6/20/13 13:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.9	30-150		6/20/13 13:17
Decachlorobiphenyl [2]	127	30-150		6/20/13 13:17
Tetrachloro-m-xylene [1]	94.4	30-150		6/20/13 13:17
Tetrachloro-m-xylene [2]	92.3	30-150		6/20/13 13:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13F0543-01 [1]	B075143	0.682	5.00	06/18/13
13F0543-02 [2]	B075143	0.544	5.00	06/18/13
13F0543-03 [3]	B075143	0.961	5.00	06/18/13
13F0543-04 [4]	B075143	2.02	10.0	06/18/13
13F0543-05 [5]	B075143	2.03	10.0	06/18/13
13F0543-06 [6]	B075143	1.79	5.00	06/18/13
13F0543-07 [7]	B075143	2.03	10.0	06/18/13
13F0543-08 [8]	B075143	1.59	5.00	06/18/13
13F0543-09 [9]	B075143	2.00	10.0	06/18/13
13F0543-10 [10]	B075143	2.02	10.0	06/18/13
13F0543-11 [11]	B075143	2.02	10.0	06/18/13
13F0543-12 [12]	B075143	2.02	10.0	06/18/13
13F0543-13 [13]	B075143	2.00	10.0	06/18/13
13F0543-14 [14]	B075143	2.06	10.0	06/18/13
13F0543-15 [15]	B075143	2.02	10.0	06/18/13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B075143 - SW-846 3540C											
Blank (B075143-BLK1)				Prepared: 06/18/13 Analyzed: 06/20/13							
Aroclor-1016	ND	0.10	mg/Kg								R-05
Aroclor-1016 [2C]	ND	0.10	mg/Kg								R-05
Aroclor-1221	ND	0.10	mg/Kg								
Aroclor-1221 [2C]	ND	0.10	mg/Kg								
Aroclor-1232	ND	0.10	mg/Kg								
Aroclor-1232 [2C]	ND	0.10	mg/Kg								
Aroclor-1242	ND	0.10	mg/Kg								
Aroclor-1242 [2C]	ND	0.10	mg/Kg								
Aroclor-1248	ND	0.10	mg/Kg								
Aroclor-1248 [2C]	ND	0.10	mg/Kg								
Aroclor-1254	ND	0.10	mg/Kg								
Aroclor-1254 [2C]	ND	0.10	mg/Kg								
Aroclor-1260	ND	0.10	mg/Kg								
Aroclor-1260 [2C]	ND	0.10	mg/Kg								
Aroclor-1262	ND	0.10	mg/Kg								
Aroclor-1262 [2C]	ND	0.10	mg/Kg								
Aroclor-1268	ND	0.10	mg/Kg								
Aroclor-1268 [2C]	ND	0.10	mg/Kg								
Surrogate: Decachlorobiphenyl	*0.905*		mg/Kg	1.00		90.5	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105	30-150				
Surrogate: Tetrachloro-m-xylene	*0.926*		mg/Kg	1.00		92.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.916*		mg/Kg	1.00		91.6	30-150				
LCS (B075143-BS1)				Prepared: 06/18/13 Analyzed: 06/20/13							
Aroclor-1016	0.25	0.10	mg/Kg	0.250		102	40-140				R-05
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		100	40-140				R-05
Aroclor-1260	0.24	0.10	mg/Kg	0.250		94.7	40-140				
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140				
Surrogate: Decachlorobiphenyl	*0.950*		mg/Kg	1.00		95.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.987*		mg/Kg	1.00		98.7	30-150				
Surrogate: Tetrachloro-m-xylene	*0.907*		mg/Kg	1.00		90.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.907*		mg/Kg	1.00		90.7	30-150				
LCS Dup (B075143-BSD1)				Prepared: 06/18/13 Analyzed: 06/20/13							
Aroclor-1016	0.17	0.10	mg/Kg	0.250		67.3	40-140	**40.7**	*	30	R-05
Aroclor-1016 [2C]	0.17	0.10	mg/Kg	0.250		69.0	40-140	**37.2**	*	30	R-05
Aroclor-1260	0.21	0.10	mg/Kg	0.250		83.1	40-140	13.1		30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		92.2	40-140	11.4		30	
Surrogate: Decachlorobiphenyl	*0.812*		mg/Kg	1.00		81.2	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.930*		mg/Kg	1.00		93.0	30-150				
Surrogate: Tetrachloro-m-xylene	*0.418*		mg/Kg	1.00		41.8	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.418*		mg/Kg	1.00		41.8	30-150				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

13F0543

CHAIN OF CUSTODY RECORD

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 2

Rev 04.05.12

Company Name: Enviromed Services
Address: 470 Murdock Ave
Meriden CT 06450
Attention:
Project Location: John Wallace Middle School
Sampled By: Gene B.

Telephone: 203-238-4846
Project # IH-13-111
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: Lcamonk enviromedservices.com
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cont Code	PCB	# of Containers	** Preservation	***Container Code
-01	Floor Sealer (1)	6-12-13 PM	6-12-13 PM					X	10	-	G
-02	Floor Sealer (2)							X			
-03	Floor Sealer (3)							X			
-04	sealer with cement (4)							X			
-05	Sealer with cement (5)							X			
-06	base wall 1/4" (6)							X			
-07	base wall 1/2" (7)							X			
-08	block wall 1/4" (8)							X			
-09	block wall 1/4" Tole (9)							X			
-10	block wall 1/4" Top of floor (10)	6-12-13 PM	6-12-13 PM					X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfat
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) 6/17/13	440p
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ___
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

13F0543

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 2 of 2

Rev 04.05.12

Company Name: Enviromed Services
Address: 470 Murdock Ave
Meriden CT 06450
Attention:
Project Location: John Wallace M. School
Sampled By: Gene B.

Telephone: 203-238-4846
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: lcannon@enviromedservices.com
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB.	# of Containers	** Preservation	***Container Code
-11	blockwall ½" To ½ Top of door (11)	6-12-13 PM	6-12-13 PM					X	5	~	G
-12	Left Side blockwall ½" deep (12)							X			
-13	left side blockwall ½" To ½" deep (13)							X			
-14	blockwall RT of door ½" deep (14)							X			
-15	blockwall RT of door ½" To ½" deep (15)	6-12-13 PM	6-12-13 PM					X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfat
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	6/17/13	Date/Time: 4400
Received by: (signature)	6/17/13	Date/Time: 16:40
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Turnaround ††
☒ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

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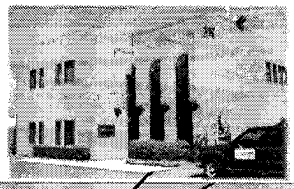


Sample Receipt Checklist

CLIENT NAME: Enviromed **RECEIVED BY:** AK **DATE:** 6/17/19

1) **Was the chain(s) of custody relinquished and signed?** **Yes** No **No CoC Included**

2) **Does the chain agree with the samples?** **Yes** No
If not, explain:

3) **Are all the samples in good condition?** **Yes** No
If not, explain:

4) **How were the samples received:**
On Ice ☐ Direct from Sampling ☐ Ambient ☒ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? **Yes** **No** **N/A**

Temperature °C by Temp blank _____ Temperature °C by Temp gun 21.7

5) **Are there Dissolved samples for the lab to filter?** **Yes** **No**
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** **No**
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** **Yes** **No** **N/A** _____

9) **Do all samples have the proper Base pH:** **Yes** **No** **N/A** _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** **No** **N/A**

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	15
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

Time and Date Frozen:

VI. APPENDIX E

PCB DRILL SAMPLING

ENVIROMED SERVICES, INC.

PCB Bulk Sampling
for
John Wallace Middle School
71 Halleran Drive
Newington, Connecticut

700 Wing
Edge of Floors

Prepared
for
Newington Public Schools
131 Cedar Street
Newington, CT 06111

August 14, 2014

470 Murdock Ave., Meriden, CT 06450
telephone (203) 238-4846• facsimile (203) 238-4243

TABLE OF CONTENTS

I. PROJECT NARRATIVE

Overview

On August 14, 2014, bulk sampling for PCB's was performed at the John Wallace School, 71 Halleran Drive, Newington, Connecticut. Previous sampling had found PCB contamination in excess of 50 ppm at the base of the wall proximal to sample 1 on the attached diagram. The purpose of the sampling was to ascertain whether the PCB contamination at the base of the wall was isolated at 1 location or extends to multiple walls.

Methodology

A total of 15 samples were collected using an impact hammer drill with a carbide drill bit to generate a uniform, finely ground powder which is vacuumed into a glass container. All tools and drill bits were solvent cleaned and washed with distilled water following each core sample collected. At least 1 gram of each sample was collected. The core samples were taken at 15 locations at a depth of 0"-1/4".

The samples were packed in a cooler with ice and couriered to Phoenix Laboratory in Manchester, CT with a completed chain of custody. Analysis of the bulks for PCB Arochlors was performed using EPA Analytical Method 8082A with extraction by Soxhlet Extraction - EPA Method 3540.

Section II presents the sample log and results table.
Section III presents the sample location diagram.
Section IV presents the laboratory analysis results.

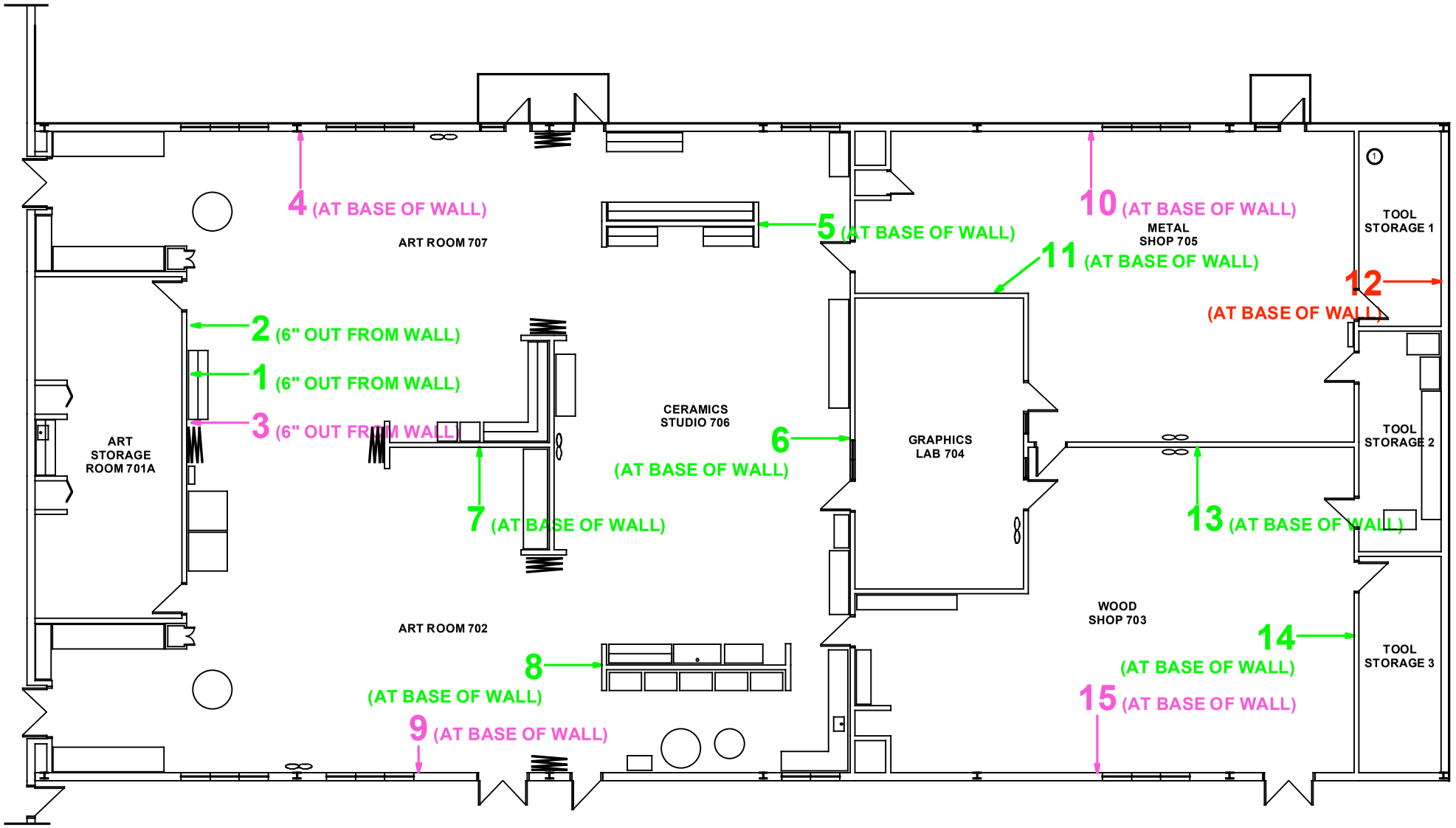
Summary of Results

PCB contamination below the 1 ppm regulatory limit was found at 9 sample locations.
PCB contamination in excess of the 1 ppm regulatory limit was found at 6 sample locations.
PCB contamination in excess of the 50 ppm regulatory limit was found at 1 sample location.

II. SAMPLE LOG AND RESULTS TABLE

Sample Number	Material Sampled	Depth Inches	Total PCB Content (ppm)
1	concrete floor 6” out from base of wall	0” – 0.25”	0.53
2	concrete floor 6” out from base of wall	0” – 0.25”	None Detected
3	concrete floor 6” out from base of wall	0” – 0.25”	1.2
4	concrete floor at base of wall	0” – 0.25”	22
5	concrete floor at base of wall	0” – 0.25”	0.54
6	concrete floor at base of wall	0” – 0.25”	None Detected
7	concrete floor at base of wall	0” – 0.25”	0.66
8	concrete floor at base of wall	0” – 0.25”	0.55
9	concrete floor at base of wall	0” – 0.25”	44
10	concrete floor at base of wall	0” – 0.25”	8.2
11	concrete floor at base of wall	0” – 0.25”	0.87
12	concrete floor at base of wall	0” – 0.25”	610
13	concrete floor at base of wall	0” – 0.25”	None Detected
14	concrete floor at base of wall	0” – 0.25”	None Detected
15	concrete floor at base of wall	0” – 0.25”	13

III. SAMPLE LOCATION DIAGRAM



PCB BULK SAMPLE LOCATION PLAN
WING 7 - WALLACE MIDDLE SCHOOL - NEWINGTON
8/14/2014

IV. LABORATORY ANALYSIS RESULTS

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 21, 2014

Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Project ID: JOHN WALLACE
Sample ID#s: BG93632 - BG93646

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:10
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93632

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	530	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	480	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	480	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	75		%	08/18/14	AW	30 - 150 %
% TCMX	65		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

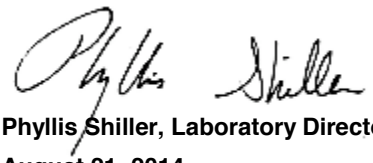
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:14
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93633

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	470	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	470	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	08/18/14	AW	30 - 150 %
% TCMX	70		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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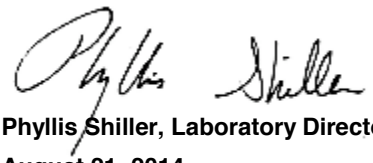

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:18
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93634

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	1200	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	450	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	08/18/14	AW	30 - 150 %
% TCMX	64		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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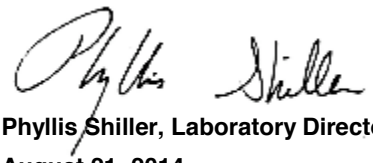

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:24
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93635

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1221	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1232	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1242	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1248	22000	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1254	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1260	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1262	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1268	ND	2300	ug/Kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	110		%	08/19/14	AW	30 - 150 %
% TCMX	99		%	08/19/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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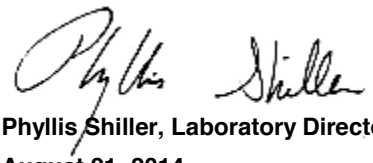

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:27
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93636

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	540	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	400	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	400	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	61		%	08/18/14	AW	30 - 150 %
% TCMX	66		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 5

Phoenix I.D.: BG93636

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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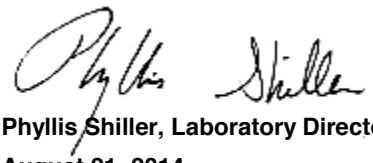

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:30
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93637

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	440	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	440	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	62		%	08/18/14	AW	30 - 150 %
% TCMX	66		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 6

Phoenix I.D.: BG93637

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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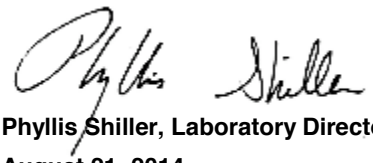

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:34
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93638

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	660	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	450	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	450	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	60		%	08/18/14	AW	30 - 150 %
% TCMX	62		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 7

Phoenix I.D.: BG93638

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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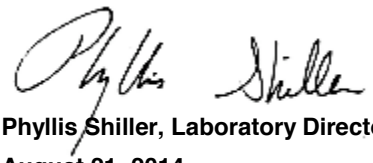

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:37
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93639

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	550	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	410	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	410	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	60		%	08/18/14	AW	30 - 150 %
% TCMX	62		%	08/18/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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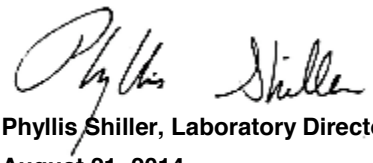

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:40
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93640

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1221	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1232	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1242	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1248	44000	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1254	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1260	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1262	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1268	ND	4000	ug/Kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	124		%	08/19/14	AW	30 - 150 %
% TCMX	94		%	08/19/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 9

Phoenix I.D.: BG93640

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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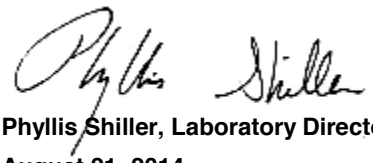

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:43
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93641

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	8200	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	790	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	08/18/14	AW	30 - 150 %
% TCMX	90		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 10

Phoenix I.D.: BG93641

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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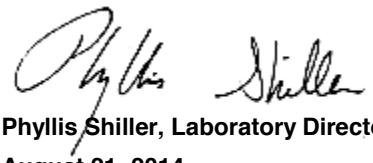

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:46
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93642

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	870	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	790	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	790	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	08/18/14	AW	30 - 150 %
% TCMX	81		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 11

Phoenix I.D.: BG93642

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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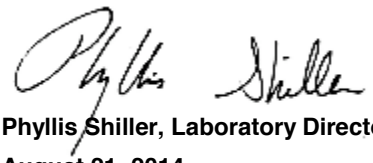

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	10:55
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93643

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1221	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1232	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1242	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1248	610000	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1254	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1260	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1262	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
PCB-1268	ND	44000	ug/Kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	08/19/14	AW	30 - 150 %
% TCMX	Diluted Out		%	08/19/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 12

Phoenix I.D.: BG93643

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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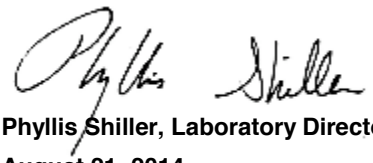

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	11:00
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93644

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/16/14	QT/WZ	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1221	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1232	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1242	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1248	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1254	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1260	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1262	ND	720	ug/Kg	08/18/14	AW	3540C/8082
PCB-1268	ND	720	ug/Kg	08/18/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	100		%	08/18/14	AW	30 - 150 %
% TCMX	93		%	08/18/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 13

Phoenix I.D.: BG93644

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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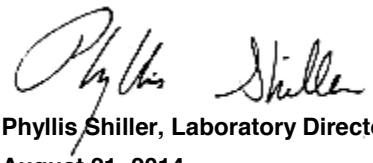

Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	11:04
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93645

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/17/14	LP/K/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1221	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1232	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1242	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1248	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1254	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1260	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1262	ND	600	ug/Kg	08/19/14	AW	3540C/8082
PCB-1268	ND	600	ug/Kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	80		%	08/19/14	AW	30 - 150 %
% TCMX	72		%	08/19/14	AW	30 - 150 %

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 14

Phoenix I.D.: BG93645

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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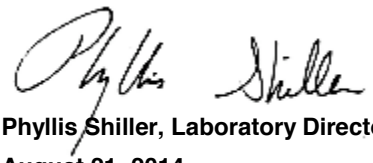


Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 21, 2014

FOR: Attn: Mr. John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	GB	08/14/14	11:08
Location Code:	ENVMED	Received by:	LB	08/14/14	12:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG93632
Phoenix ID: BG93646

Project ID: JOHN WALLACE
Client ID: 1/4 INCH CEMENT FLOOR 15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	08/14/14	I	E160.3
Extraction for PCB	Completed			08/17/14	LP/K/G	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1221	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1232	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1242	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1248	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1254	13000	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1260	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1262	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
PCB-1268	ND	5300	ug/Kg	08/19/14	AW	3540C/8082
QA/QC Surrogates						
% DCBP	Diluted Out		%	08/19/14	AW	30 - 150 %
% TCMX	Diluted Out		%	08/19/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

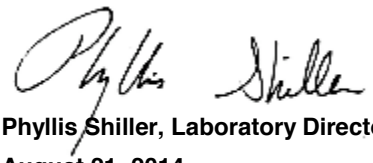
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
August 21, 2014
Reviewed and Released by: Maryam Taylor, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 21, 2014

QA/QC Data

SDG I.D.: GBG93632

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 283538, QC Sample No: BG94677 (BG93645, BG93646)									
Polychlorinated Biphenyls									
PCB-1016	ND	91	86	5.6	85	90	5.7	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	87	8.8	87	91	4.5	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	108	113	103	9.3	103	109	5.7	30 - 150	30
% TCMX (Surrogate Rec)	91	95	89	6.5	88	92	4.4	30 - 150	30
QA/QC Batch 283475, QC Sample No: BG95101 (BG93632, BG93633, BG93634)									
Polychlorinated Biphenyls									
PCB-1016	ND	90	92	2.2	84	87	3.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	95	2.1	116	122	5.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	97	100	3.0	94	99	5.2	30 - 150	30
% TCMX (Surrogate Rec)	86	92	92	0.0	84	87	3.5	30 - 150	30
QA/QC Batch 283518, QC Sample No: BG95153 (BG93635, BG93636, BG93637, BG93638, BG93639, BG93640, BG93641, BG93642, BG93643, BG93644)									
Polychlorinated Biphenyls									
PCB-1016	ND	81	90	10.5				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	80	92	14.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	93	93	106	13.1				30 - 150	30
% TCMX (Surrogate Rec)	90	95	105	10.0				30 - 150	30

QA/QC Data

SDG I.D.: GBG93632

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 21, 2014

Sample Criteria Exceedences Report

GBG93632 - ENVMED

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** EnviroMed Services, Inc.

Project Location: JOHN WALLACE **Project Number:**

Laboratory Sample ID(s): BG93632, BG93633, BG93634, BG93635, BG93636, BG93637, BG93638, BG93639, BG93640, BG93641, BG93642, BG93643, BG93644, BG93645, BG93646

Sampling Date(s): 8/14/2014

RCP Methods Used:

☐ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Maryam Taylor

Date: Thursday, August 21, 2014

Printed Name: Maryam Taylor

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

August 21, 2014

SDG I.D.: GBG93632

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 08/18/14-1 (BG93645, BG93646)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/18/2014

Instrument: Au-ecd1 08/19/14-1 (BG93646)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/19/2014

Instrument: Au-ecd48 08/17/14-1 (BG93632, BG93633, BG93634)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner
Position: Chemist
Date: 8/17/2014

Instrument: Ecd_cart 2 08/18/14-1 (BG93635, BG93636, BG93637, BG93638, BG93639, BG93640, BG93641, BG93642, BG93643, BG93644)

Printed Name Adam Werner
Position: Chemist
Date: 8/18/2014

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

RCP Certification Report

August 21, 2014

SDG I.D.: GBG93632

QC (Batch Specific)

---------- Sample No: BG94677, QA/QC Batch: 283538 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG95101, QA/QC Batch: 283475 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

---------- Sample No: BG95153, QA/QC Batch: 283518 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)

1°w/c tice

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp ____ Pg ____ of ____

Data Delivery:
[ ] Fax #: ____
[x] Email Jluby@enviromedservices.com

Customer: ENVIROMED SERVICES INC.
Address: 470 Murdock Ave.
Meriden, CT 06450

Project: John Wallace
Report to: ENVIROMED SERVICES INC.
Invoice to: John Luby

Project P.O: ____
Phone #: 203-238-4846
Fax #: 203-238-4243

Client Sample - Information - Identification

Sampler's Signature: Gene Berube Date: ____

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	xPCB	+	+	+	+	+	+	+	+	+	+	+	Soil VOA Vials [ ] methanol [ ] Sod Bisulfate	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
93632	1/4" cement floor 1	Dust	8/14/14	10:10	X													X								
93633	1/4" cement f. 2	Dust	8/14/14	10:14	X													X								
93634	1/4" cement f. 3	Dust	8-14-14	10:18	X													X								
93635	1/4" cement f 4	Dust	8-14-14	10:24	X													X								
93636	1/4" cement f. 5	Dust	8-14-14	10:27	X													X								
93637	1/4" cement f. 6	Dust	8-14-14	10:30	X													X								
93638	1/4" cement f. 7	Dust	8-14-14	10:34	X													X								
93639	1/4" cement f. 8	Dust	8-14-14	10:37	X													X								
93640	1/4" cement f 9	Dust	8-14-14	10:40	X													X								
93641	1/4" cement f 10	Dust	8-14-14	10:43	X													X								
93642	1/4" cement f 11	Dust	8-14-14	10:46	X													X								
93643	1/4" cement f 12	Dust	8-14-14	10:55	X													X								

Relinquished by:	Accepted by:	Date:	Time:
Paul Dela	CParadise	8/14/14	1243

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] Standard
[ ] Other

* SURCHARGE APPLIES

CT/RI
[x] RCP Cert
[ ] GW Protect
[ ] GA Mobility
[ ] GB Mobility
[ ] SW Protection
[ ] Res. Vol.
[ ] Ind. Vol.
[ ] Res. Criteria
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

Data Format
[ ] Excel
[x] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other ____

Data Package
[ ] ASP-A
[ ] NJ Reduced Deliv. *
[ ] NJ Hazsite EDD
[x] Phoenix Std Report
[ ] Other

State where samples were collected: CT

1°W/C HCL

PHOENIX Environmental Laboratories, Inc.

CHAIN OF COUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp ___ Pg ___ of ___

Data Delivery:
- [ ] Fax #: ___
- [x] Email: Jluby@enviromedservices.com

Customer:	ENVIROMED SERVICES INC.	Project:	John Wallace Middle School
Address:	470 Murdock Ave.	Report to:	ENVIROMED SERVICES INC.
	Meriden, CT 06450	Invoice to:	John Luby
Project P.O:		Phone #:	203-238-4846
		Fax #:	203-238-4243

Client Sample - Information - Identification

Sampler's Signature: Gene Beaule Date: 8-14-14

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request: xPCE Wipe with Scotch-Brite; Soil VOA Vials [ ] methanol [ ] Sod Bisulfate; GL Soil container ( ) oz; GL Soil container ( ) oz; 40 ml VOA Vial [ ] As is [ ] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4; PL As is [ ] 250ml [ ] 500ml [ ] 1000ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	xPCE Wipe with Scotch-Brite	Soil VOA Vials
93644	1/4" cement f. 13	Dust (Wipe struck out)	8-14-14	11:00	X	X
93645	1/4" cement f. 14	Dust (Wipe struck out)	8-14-14	11:04	X	X
93646	1/4" cement f. 15	Dust (Wipe struck out)	8-14-14	11:08	X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		~~Wipe~~	~~9/ /13~~		X	X
		Wipe	~~9/ /13~~		X	X

Relinquished by:	Accepted by:	Date:	Time:
[signature]	C Paradise	8/14/14	1243

Comments, Special Requirements or Regulations:

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard
- [ ] Other

* SURCHARGE APPLIES

CT/RI
- [x] RCP Cert
- [ ] GW Protect
- [ ] GA Mobility
- [ ] GB Mobility
- [ ] SW Protection
- [ ] Res. Vol.
- [ ] Ind. Vol.
- [ ] Res. Criteria
- [ ] Other

MA
- [ ] MCP Certification
- [ ] GW-1
- [ ] GW-2
- [ ] GW-3
- [ ] S-1
- [ ] S-2
- [ ] S-3
- [ ] MWRA eSMART
- [ ] Other

Data Format
- [ ] Excel
- [x] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] Other ___

Data Package
- [ ] ASP-A
- [ ] NJ Reduced Deliv. *
- [ ] NJ Hazsite EDD
- [x] Phoenix Std Report
- [ ] Other

State where samples were collected: CT

VII. APPENDIX F

INITIAL PCB TCLP TESTING

Wallace Middle School

TCLP Initial Composition

3/12/2015

Sample #	Sample Composition
W1	Exterior walls from 0'-2' height with yellow paint (<50ppm) and gray base paint (>50ppm) combined with concrete floor from 0"-6" in
W2	Exterior walls from 0'-2' height with yellow paint (<50ppm) and gray base paint (>50ppm) combined with concrete floor from 0"-6" in
W3	Exterior walls from 0'-2' height with yellow paint (<50ppm) and gray base paint (>50ppm) combined with concrete floor from 0"-6" in

Samples W1 and W2 were analyzed for PCB TCLP.

Note that Sample W3 was analyzed for flashpoint, Ph, reactivity, arsenic, cadmium, chromium, mercury, and lead to meet landfill profiling requirements.

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 18, 2015

Attn: J. Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Project ID: WALLACE MIDDLE SCHOOL NEWINGTON
Sample ID#s: BH83062 - BH83064

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 18, 2015

FOR: Attn: J. Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	J	03/12/15	0:00
Location Code:	ENVMED	Received by:	LPB	03/12/15	17:59
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH83062
Phoenix ID: BH83062

Project ID: WALLACE MIDDLE SCHOOL NEWINGTON
Client ID: W1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP PCB Extraction	Completed			03/13/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed			03/12/15	I	SW1311
TCLP Polychlorinated Biphenyls						
PCB-1016	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1221	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1232	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1242	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1248	50	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1254	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1260	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1262	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1268	ND	5.0	ug/L	03/16/15	AW	SW8082A
QA/QC Surrogates						
%DCBP (Surrogate Rec)	95		%	03/16/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	81		%	03/16/15	AW	30 - 150 %

Project ID: WALLACE MIDDLE SCHOOL NEWINGTON
Client ID: W1

Phoenix I.D.: BH83062

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 18, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 18, 2015

FOR: Attn: J. Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	J	03/12/15	0:00
Location Code:	ENVMED	Received by:	LPB	03/12/15	17:59
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH83062
Phoenix ID: BH83063

Project ID: WALLACE MIDDLE SCHOOL NEWINGTON
Client ID: W2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP PCB Extraction	Completed			03/13/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed			03/12/15	I	SW1311
TCLP Polychlorinated Biphenyls						
PCB-1016	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1221	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1232	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1242	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1248	41	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1254	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1260	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1262	ND	5.0	ug/L	03/16/15	AW	SW8082A
PCB-1268	ND	5.0	ug/L	03/16/15	AW	SW8082A
QA/QC Surrogates						
%DCBP (Surrogate Rec)	90		%	03/16/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	80		%	03/16/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 18, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 18, 2015

FOR: Attn: J. Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	J	03/12/15	0:00
Location Code:	ENVMED	Received by:	LPB	03/12/15	17:59
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH83062
Phoenix ID: BH83064

Project ID: WALLACE MIDDLE SCHOOL NEWINGTON
Client ID: W3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Arsenic	3.0	0.7	mg/Kg	03/13/15	LK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	03/13/15	LK	SW6010C
Chromium	20.6	0.36	mg/Kg	03/13/15	LK	SW6010C
Mercury	0.28	0.02	mg/Kg	03/13/15	RS	SW7471B
Lead	27.8	0.36	mg/Kg	03/13/15	LK	SW6010C
Percent Solid	99		%	03/12/15	I	SW846-%Solid
Flash Point	>200	200	Degree F	03/13/15	I	SW1010A
Ignitability	Passed	140	degree F	03/13/15	I	SW846-Ignit
pH - Soil	8.84	0.10	pH Units	03/12/15 21:10	DH/KDB	SW9045
Reactivity Cyanide	< 5.1	5.1	mg/Kg	03/13/15	O/B/E	SW846-React
Reactivity Sulfide	< 20	20	mg/Kg	03/16/15	EG	SW-7.3
Reactivity	Negative		Pos/Neg	03/16/15	EG	SW846-React
Mercury Digestion	Completed			03/13/15	I/I	SW7471B
Total Metals Digest	Completed			03/12/15	CB/AG/W	SW3050B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 18, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

March 18, 2015

QA/QC Data

SDG I.D.: GBH83062

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301457, QC Sample No: BH82532 (BH83064)												
ICP Metals - Soil												
Arsenic	BRL	<0.7	<0.70	NC	103	108	4.7	86.8	89.1	2.6	75 - 125	30
Cadmium	BRL	<0.37	<0.35	NC	92.9	96.9	4.2	93.6	94.6	1.1	75 - 125	30
Chromium	BRL	19.9	17.2	14.6	106	112	5.5	97.6	100	2.4	75 - 125	30
Lead	BRL	<0.37	<0.35	NC	94.6	98.7	4.2	98.0	97.8	0.2	75 - 125	30
QA/QC Batch 301496, QC Sample No: BH83088 (BH83064)												
Mercury - Soil	BRL	0.07	0.08	NC	89.6	86.9	3.1	81.9	85.9	4.8	70 - 130	30

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

March 18, 2015

QA/QC Data

SDG I.D.: GBH83062

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301493, QC Sample No: BH82506 (BH83064)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 301611, QC Sample No: BH82611 (BH83064)												
Reactivity Cyanide	BRL	<5.7	<5.7	NC	97.0						85 - 115	30
QA/QC Batch 301508, QC Sample No: BH83002 (BH83064)												
pH - Soil		8.30	8.32	0.20	97.2						85 - 115	20

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

March 18, 2015

QA/QC Data

SDG I.D.: GBH83062

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 301466, QC Sample No: BH82744 (BH83062, BH83063)									
Polychlorinated Biphenyls									
PCB-1016	ND	101	95	6.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	102	97	5.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	58	65	70	7.4				30 - 150	20
% TCMX (Surrogate Rec)	78	81	74	9.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 18, 2015

Sample Criteria Exceedences Report

GBH83062 - ENVMED

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** EnviroMed Services, Inc.

Project Location: WALLACE MIDDLE SCHOOL NE **Project Number:**

Laboratory Sample ID(s): BH83062, BH83063, BH83064

Sampling Date(s): 3/12/2015

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☑ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee

Date: Wednesday, March 18, 2015

Printed Name: Ethan Lee

Position: Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 18, 2015

SDG I.D.: GBH83062

BH83064 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Barium, Beryllium, Copper, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 03/13/15-1 (BH83064)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 3/13/2015

QC (Batch Specific)

---------- Sample No: BH83088, QA/QC Batch: 301496 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 03/13/15-1 (BH83064)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 3/13/2015

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 18, 2015

SDG I.D.: GBH83062

QC (Batch Specific)

---------- Sample No: BH82532, QA/QC Batch: 301457 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 03/14/15-1 (BH83062, BH83063)

The initial calibration (PC312AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC312BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 3/14/2015

Instrument: Au-ecd6 03/16/15-1 (BH83062, BH83063)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC223AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC223BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 3/16/2015

QC Comments: QC Batch 301466 03/12/15 (BH83062, BH83063)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 18, 2015

SDG I.D.: GBH83062

QC (Batch Specific)

---------- Sample No: BH82744, QA/QC Batch: 301466 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples in this delivery group were received at 5°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐
Temp 5 °C Pg 1 of 1

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☒ Fax: (203)238-4846
☒ Phone: (203)238-4243
☒ Email: jluby@enviromedservices.com

Customer: ENVIROMED SVCS.
Address: 470 MURDOCK AVE
MERIDEN, CT 06450

Project: WALLACE MIDDLE SCHOOL, NEWINGTON Project P.O:
Report to: J. LUBY
Invoice to: ENVIROMED SVCS.

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/12/15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCLP-PCB-1006ram Composite	FLASHPOINT	PH	REACTIVITY (Sulphide+Cyanide)	ARSENIC-TOTAL	CADMIUM-TOTAL	CHROMIUM-TOTAL	MERCURY-TOTAL	LEAD-TOTAL	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
93062	W1	SD	3/12/15		✓										1✓								
93063	W2	SD	3/12/15		✓										1✓								
93064	W3	SD	3/12/15			✓	✓	✓	✓	✓	✓	✓	✓		1✓								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/12/15	17:59

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☒ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: CT

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☒ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

VIII. APPENDIX G

FOLLOW-UP PCB TCLP TESTING

Wallace Middle School

TCLP Sample Composition

4/1/2015

Sample #	Sample Composition
1	Interior block walls with yellow paint (<50ppm) and gray base paint (>50ppm)
2	Interior block walls with yellow paint (<50ppm) and gray base paint (>50ppm)
3	Exterior walls from 0'-2' height with yellow paint (<50ppm) and gray base paint (>50ppm) combined with concrete floor from 0"-6" in
4	Exterior walls from 0'-2' height with yellow paint (<50ppm) and gray base paint (>50ppm) combined with concrete floor from 0"-6" in
5	Exterior walls from 2'-9' height with yellow paint (<50ppm)
6	Exterior walls from 2'-9' height with yellow paint (<50ppm)
7	Metal window frame with adhered exterior caulking
8	Metal door frame with adhered exterior caulking
9	Window glass with adhered glazing putty

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 07, 2015

Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Project ID: J WALLACE M.S.
Sample ID#s: BH90794 - BH90802

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	7:49
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90794

Project ID: J WALLACE M.S.
Client ID: SAMPLE #1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	120		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	130		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #1

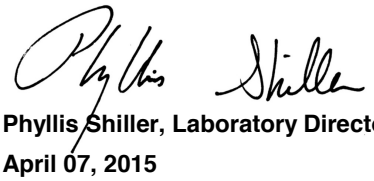
Phoenix I.D.: BH90794

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	8:39
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90795

Project ID: J WALLACE M.S.
Client ID: SAMPLE #2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	125		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	134		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #2

Phoenix I.D.: BH90795

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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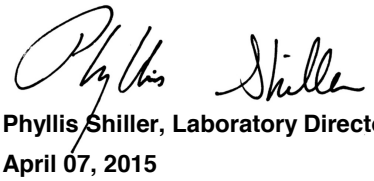

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	9:53
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90796

Project ID: J WALLACE M.S.
Client ID: SAMPLE #3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	9.0	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	128		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	145		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #3

Phoenix I.D.: BH90796

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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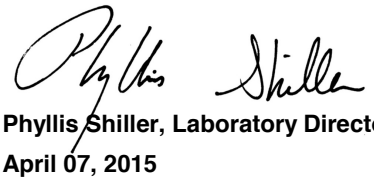

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	10:21
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90797

Project ID: J WALLACE M.S.
Client ID: SAMPLE #4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	127		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	145		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #4

Phoenix I.D.: BH90797

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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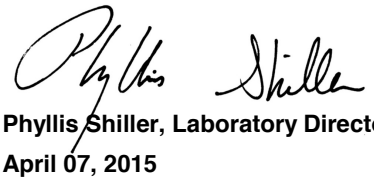

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	10:54
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90798

Project ID: J WALLACE M.S.
Client ID: SAMPLE #5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	83		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	90		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #5

Phoenix I.D.: BH90798

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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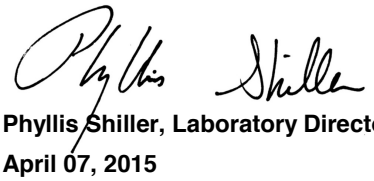

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	11:43
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90799

Project ID: J WALLACE M.S.
Client ID: SAMPLE #6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	72		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	90		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #6

Phoenix I.D.: BH90799

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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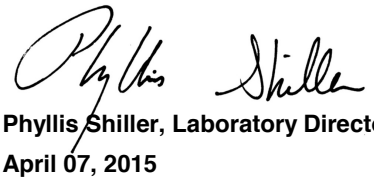

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	12:35
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90800

Project ID: J WALLACE M.S.
Client ID: SAMPLE #7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	67		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	84		%	1	04/03/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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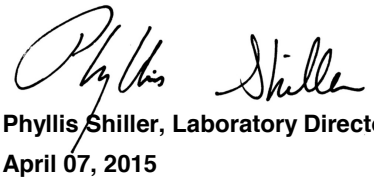

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	13:15
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90801

Project ID: J WALLACE M.S.
Client ID: SAMPLE #8

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	82		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	89		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #8

Phoenix I.D.: BH90801

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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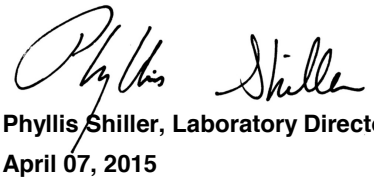

Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 07, 2015

FOR: Attn: Mr John Luby
EnviroMed Services, Inc.
470 Murdock Avenue, Box 13
Meriden, CT 06450

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		04/01/15	13:55
Location Code:	ENVMED	Received by:	SW	04/01/15	14:36
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH90794
Phoenix ID: BH90802

Project ID: J WALLACE M.S.
Client ID: SAMPLE #9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP PCB Extraction	Completed				04/02/15	L	SW3510C/SW3520C
TCLP Extraction for Organics	Completed				04/01/15	I	SW1311
TCLP Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1221	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1232	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1242	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1248	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1254	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1260	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1262	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
PCB-1268	ND	1.0	ug/L	1	04/03/15	AW	SW8082A
QA/QC Surrogates							
%DCBP (Surrogate Rec)	83		%	1	04/03/15	AW	30 - 150 %
%TCMX (Surrogate Rec)	86		%	1	04/03/15	AW	30 - 150 %

Project ID: J WALLACE M.S.
Client ID: SAMPLE #9

Phoenix I.D.: BH90802

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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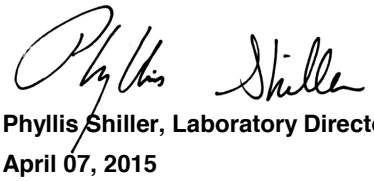


Phyllis Shiller, Laboratory Director
April 07, 2015
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 07, 2015

QA/QC Data

SDG I.D.: GBH90794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 303157 (ug/L), QC Sample No: BH89989 (BH90794, BH90795, BH90796, BH90797, BH90798, BH90799, BH90800, BH90801, BH90802)									
Polychlorinated Biphenyls									
PCB-1016	ND	98	100	2.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	96	100	4.1				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	85	51	54	5.7				30 - 150	20
% TCMX (Surrogate Rec)	50	77	78	1.3				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 07, 2015

Sample Criteria Exceedences Report

GBH90794 - ENVMED

Criteria: None
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** EnviroMed Services, Inc.

Project Location: J WALLACE M.S. **Project Number:**

Laboratory Sample ID(s): BH90794, BH90795, BH90796, BH90797, BH90798, BH90799, BH90800, BH90801, BH90802

Sampling Date(s): 4/1/2015

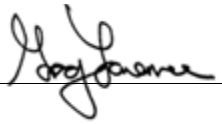
RCP Methods Used:

☑ 1311/1312	☐ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☑ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: 

Date: Tuesday, April 07, 2015

Printed Name: Greg Lawrence

Position: Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

April 07, 2015

SDG I.D.: GBH90794

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd29 04/03/15-1 (BH90798, BH90799, BH90800, BH90801, BH90802)

The initial calibration (PC223AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC223BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:
403B024 - PCB 1260 (-25%)

Printed Name Adam Werner
Position: Chemist
Date: 4/3/2015

Instrument: Au-ecd8 04/03/15-1 (BH90794, BH90795, BH90796, BH90797)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: noneThe initial calibration (PC401AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC401BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 4/3/2015

QC Comments: QC Batch 303157 03/31/15 (BH90794, BH90795, BH90796, BH90797, BH90798, BH90799, BH90800, BH90801, BH90802)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

---------- Sample No: BH89989, QA/QC Batch: 303157 ----------

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

April 07, 2015

SDG I.D.: GBH90794

Temperature Narration

The samples in this delivery group were received at 1°C.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
☒ Fax: 203-238-4243
☒ Phone: 203-238-4846
☒ Email: jluby@environmedservices.com

Customer: ENVIROMED SERV.
Address: 470 Murdock Ave
MERIDEN CT 06450

Project: J. WALLACE M.S
Report to: John Luby
Invoice to: ENVIROMED SERV.

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 4-1-15

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: PCB's + TCLP (8021)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
1		SD	4-1-15	7:49	X			907941		1				
2		SD	"	8:39	X			907952		1				
3		SD	"	9:53	X			907963		1				
4		SD	"	10:21	X			907974		1				
5		SD	"	10:54	X			907985		1				
6		SD	"	11:43	X			907996		1				
7		SD	"	12:35	X			908000		1				
8		SD	"	1:15	X			908011		1				
9		SD	"	1:55	X			908022		1				

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4-1-15	14:36

Comments, Special Requirements or Regulations:
Analyze for TCLP PCB's
Per John Luby

Turnaround:
☐ 1 Day*
☒ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: _____

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES